

TOOLS AND TOOL CHESTS.

CHAS. A. STRELINGER & CO.

WE PAY FREIGHT ON COMPLETE SETS.

On all full Sets of Tools, whether with or without Chests, we prepay freight to all points in the United States east of the Rocky Mountains, and to points west of this we make an allowance to equalize freights.

We do not pay charges on any goods sent by Express, and in this connection, it is well for us to remind our readers that goods sent by freight do not reach their destination as quickly as when sent by express. The ordinary time in freight shipments, where the distance is from 200 to 300 miles, is from three to five days; distances of 300 to 600 miles, four to eight days; from 600 to 1200 miles, six to 14 days, and this time is often exceeded, so that it will be well to anticipate and be sure to order goods in time.

SPECIAL NOTICE.

An unfortunate feature of the Tool-Chest business—for us—is the fact, that it is usually looked upon as a holiday business, perhaps as a matter of custom. It certainly should not be considered in this light; as a matter of fact, a Set of Tools is really an indispensable part of a household outfit, and is as essential as the furniture, the clothes wringer, or any other part of the household equipment.

Of course our largest trade has always been in the Holiday season, and as the holidays approach, we have always been compelled to disappoint a greater or less number of customers who come in at the last moment. Many of our tools are especially made for this trade, and it takes time to get them. Therefore, we would urge upon prospective buyers that they send in orders, or at least engage the goods, as early as possible. We can handle the orders to much better advantage, and if you make up your mind to have a Set of Tools, kindly advise us at as early a moment as is expedient.

TOOLS AND TOOL CHESTS.

In presenting to the public this catalogue of Tools and Tool Chests, we do so with a firm conviction that the articles described will meet and fill a long-felt want. Tools in the different assortments are selected with a view to the greatest amount of usefulness for the various purposes for which they are intended.

We have been in the manufacture and sale of tools of all kinds for over twenty-five years, our specialty being high-grade Tools, Machinery and Supplies. We began putting up Sets of Tools and Tool Chests about twelve years ago, and since that time our trade in this line has constantly increased, so that we are compelled to put it into a special department. We believe we were the first to enter into this field, and are the only ones in it at the present time, if we except a few dealers in the larger eastern cities, who have for many years made it a practice about holiday time of putting up a few sets of good tools, in good chests, depending upon local trade entirely. The tools furnished in these sets, however, were taken from stock—regular mechanics' tools—and, while of excellent quality, were not well adapted to the use of boys and amateurs, being too large and clumsy. The prices also were usually too high, on account of the extra expense attendant upon getting them out in small quantities.

Of the small sets of tools usually sold in toy shops and bazaars, we have but little to say. They are toys whether priced at 50 cents or \$10.00, and while the smaller sets may serve an excellent purpose as playthings for young children, they are really of no value in the household.

All tools we send out are of first-class quality; with proper care will last a life-time, and being of the best quality, are hard to spoil even with careless usage.

CHAS. A. STRELINGER & Co.,

96 TO 100 BATES STREET,

DETROIT, MICH.

THE TOOL CHESTS.

In designing these Chests the question of strength, convenience and durability have been fully considered. They are made of thoroughly well-seasoned, kiln-dried stock, with dove-tailed joints, are finished with three coats of shellac and varnish. Each Chest is provided with two sliding trays or tills.

Chests are fitted with brass hinges, wrought steel bronze-plated handles, and Yale & Towne cylinder locks; two keys to each.

In the Sets Nos. 2 to 18 we use but two sizes of Chests:

The first we call the No. 1 Chest; it measures 24 inches in length, 12 inches in width, and 10 inches in height. Dimensions given are over all. Price of Chest \$2.50.

The second we call the No. 2 Chest; it measures 28 inches in length, 14 inches in width, and 13 inches in height. Dimensions given are over all. Price of Chest \$3.25.

FANCY CHESTS.

Where a Fancy Chest is desired, we carry in stock and can furnish the No. 1 and No. 2 Chests made of quartered oak, highly finished, and with brass trimmings. These are very handsome articles of furniture. Price of No. 1 Chest, in Quartered Oak, \$4.50; No. 2 Chest, in Quartered Oak, \$5.50.

These Chests will be furnished in place of the others on the payment of the difference in price.

WORDS OF WISDOM.

We feel justified in the above title because the following was not written by ourselves but "cribbed" from some one greater. With the exception of the first paragraph the article is anonymous.

"One year's faithful practice at a mechanical employment before the age of ten, will make a youth more efficient in future than two years after that time."—*Spencer*.

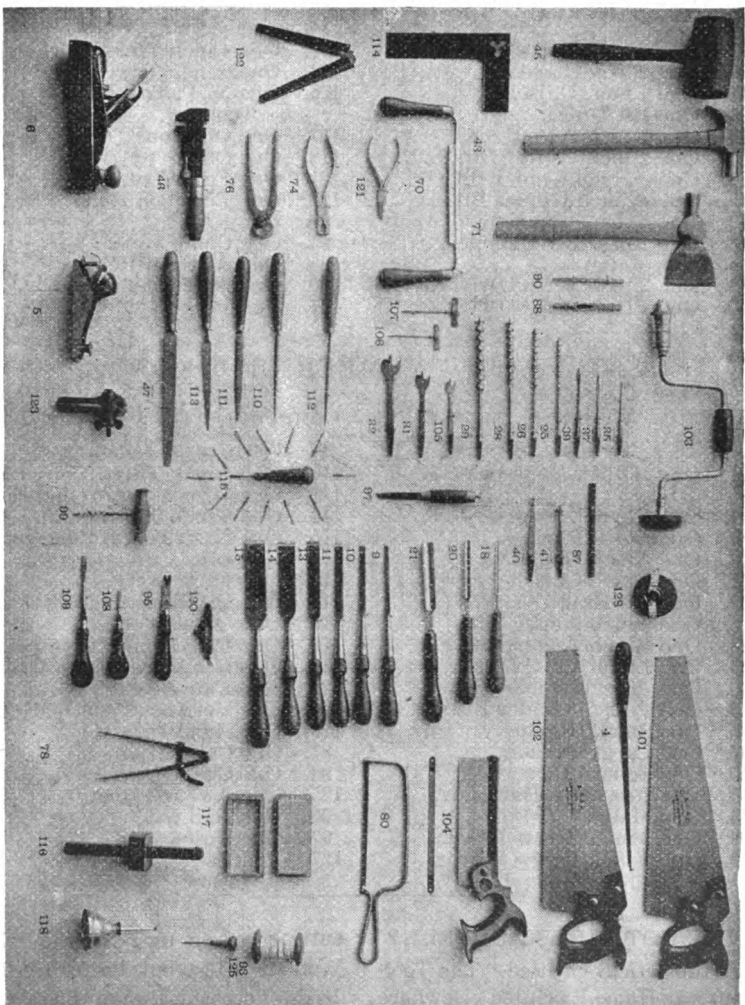
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"The above is good advice: If acted

upon with boys, it would produce strong minds, and strong and healthy bodies. Would you cultivate the understanding of your boy, cultivate the powers it is to govern; exercise his mind and body at the same time in a useful manner—for the grand secret of education is to contrive that the exercise of the body and that of the mind may always serve as relaxation to each other. If one-tenth of the time which is wasted in practising gymnastic exercises were directed to the acquisition of adequate industrial habits, the physical faculties of pupils would be much better developed and their power incomparably increased. Skill in the use of tools is of incalculable advantage. It gives useful employment to many an otherwise idle hour. It prompts one to add a thousand little conveniences to the house, which, but for this skill, would never be made. In a word, it is carrying out, in a fuller sense, the design of the Creator, when he implanted the faculty of constructiveness within us. A bent for mechanical pursuits usually manifests itself at a very early period in life; the inclination of the six-year-old boy to hammer and pound, to tear open toys and clocks to "see what makes 'em go," all so annoying to the careful parent, may be taken as indications of latent constructive genius, although now manifested in a very destructive form. In the youth the mechanical bias becomes still more apparent, manifesting itself in attempts to construct wagons, boats, small engines, etc. With such a boy a mechanical education is no doubtful experiment.

* * * * *

Give your boys a Box of GOOD TOOLS, and if possible a room or place for a workshop. Employed in it, they will not only be kept out of mischief, but they will be strengthening their muscles, exercising their mental powers, and fitting themselves for greater usefulness, when they shall be called upon to take their places in the ranks of men.



SET NO. 7.

The above illustration shows the style of tools in all Sets from Nos. 2 to 7. The tools in all these sets are alike as regards sizes and quality, the only difference being in the number of tools contained in each set.

SET No. 2. NUMBER OF TOOLS 25.

PRICE, WITHOUT CHEST, \$5.00.

COMPLETE, WITH CHEST, \$7.50.

No.		No.	
101.	One 16 in. Hand or "Cut-off" Saw	110.	One 4 inch Three Corner File.
5.	One Block Plane.	114.	One 6 inch Try Square.
11.	One $\frac{1}{2}$ inch Chisel.	115.	One N. P. Tool Holder with 12 Tools.
103.	One Bit Brace.	117.	One Oil Stone.
26.	One $\frac{3}{8}$ inch Auger Bit.	118.	One Oiler.
105.	One $\frac{1}{2}$ inch Center Bit.	121.	One Pair Pliers.
35.	One $\frac{1}{4}$ inch Gimlet Bit.	122.	One Boxwood Rule.
39.	One $\frac{3}{8}$ inch Gimlet Bit.	97.	One Knife.
40.	One Square Reamer.	93.	One Chalk Line.
43.	One Adze Eye Hammer.	125.	One Awl and Reel.
45.	One Mallet.	90.	One Nail Set.
108.	One 2 inch Screw Driver.	127.	Pencils.
109.	One 4 inch Screw Driver.		

SET No. 3. NUMBER OF TOOLS 36.

PRICE, WITHOUT CHEST, \$7.25.

COMPLETE, WITH CHEST, \$9.75.

No.		No.	
101.	One 16 inch Hand or "Cut-off" Saw.	110.	One 4 inch Three Corner File.
4.	One Keyhole Saw.	111.	One $4\frac{1}{2}$ inch Half-round File.
5.	One Block Plane.	114.	One 6 inch Try Square.
10.	One $\frac{3}{8}$ inch Gouge.	115.	One N. P. Tool Holder with 12 Tools.
11.	One $\frac{1}{2}$ inch Chisel.	116.	One Marking Gauge
103.	One Bit Brace.	117.	One Oil Stone in Case.
26.	One $\frac{3}{8}$ inch Auger Bit.	118.	One Oiler.
28.	One $\frac{1}{2}$ inch Auger Bit.	78.	One Pair Dividers.
105.	One $\frac{1}{2}$ inch Center Bit.	80.	One Hack Saw Frame, 2 Blades
35.	One $\frac{1}{4}$ inch Gimlet Bit.	121.	One Pair Pliers.
39.	One $\frac{3}{8}$ inch Gimlet Bit.	122.	One Boxwood Rule.
106.	One Small Gimlet.	123.	One Hand Vise.
107.	One Large Gimlet.	87.	One Cold Chisel.
40.	One Square Reamer.	93.	One Chalk Line.
43.	One Adze Eye Hammer.	125.	One Awl and Reel.
45.	One Mallet.	90.	One Nail Set.
108.	One 2 inch Screw Driver.	97.	One Knife.
109.	One 4 inch Screw Driver.	127.	Pencils.

WHY NOT GIRLS AS WELL?

In the article entitled "The Tool-House at Home," printed elsewhere in this catalogue, the writer says, "There is no reason why a girl should be ignorant of the use of tools," and there isn't. We are not

entirely given over to the "New Woman" idea, but there are hundreds of occasions when the saw, the screw driver, brace and bit, plyers and other tools can be used to good advantage by the feminine portion of the household.

SET No. 4. NUMBER OF TOOLS 43.

PRICE, WITHOUT CHEST, \$9.25.		COMPLETE, WITH CHEST, \$11.75.	
No.		No.	
101.	One 16 in. Hand or "Cut-off" Saw	109.	One 4 inch Screw Driver.
4.	One Keyhole Saw.	110.	One 4 inch Three Corner File.
5.	One Block Plane.	111.	One 4½ inch Half-round File.
9.	One ½ inch Chisel.	113.	One 6 inch Flat File.
11.	One ½ inch Chisel.	114.	One 6 inch Try Square.
10.	One ¾ inch Gouge.	115.	One N. P. Tool Holder, 12 Tools
70.	One Draw Knife.	116.	One Marking Gauge.
103.	One Bit Brace.	117.	One Oil Stone in Case.
26.	One ¾ inch Auger Bit.	118.	One Oiler.
28.	One ½ inch Auger Bit.	71.	One Hatchet.
105.	One ½ inch Center Bit.	78.	One Pair Dividers.
31.	One 1 inch Center Bit.	80.	One Hack Saw Frame with 2 Blades.
35.	One ¼ inch Gimlet Bit.	121.	One Pair Pliers.
39.	One ⅜ inch Gimlet Bit.	122.	One Boxwood Rule.
106.	One Small Gimlet.	123.	One Hand Vise.
107.	One Large Gimlet.	97.	One Knife.
40.	One Square Reamer.	87.	One Cold Chisel
41.	One Countersink Bit.	93.	One Chalk Line.
43.	One Adze Eye Hammer.	125.	One Awl and Reel.
45.	One Mallet.	90.	One Nail Set.
46.	One Monkey Wrench.	127.	Pencils.
108.	One 2 inch Screw Driver.		

SET No. 5. NUMBER OF TOOLS 53.

PRICE, WITHOUT CHEST, \$11.25.		COMPLETE, WITH CHEST, \$13.75.	
No.		No.	
101.	One 16 in. Hand or "Cut-off" Saw	110.	One 4 inch 3 Square File.
102.	One 16 in. Rip or Splitting Saw	111.	One 4½ inch Half-round File.
4.	One Keyhole Saw.	112.	One 4 inch Round File.
5.	One Block Plane.	113.	One 6 inch Flat File.
9.	One ½ inch Chisel.	114.	One 6 inch Try Square.
11.	One ½ inch Chisel.	115.	One N. P. Tool Holder, 12 Tools
13.	One ½ inch Chisel.	116.	One Marking Gauge.
18.	One ½ inch Gouge.	117.	One Oil Stone in Case.
20.	One ½ inch Gouge.	118.	One Oiler.
103.	One Bit Brace.	76.	One Pinchers.
26.	One ¾ inch Auger Bit.	78.	One Pair Dividers, 6 inch.
28.	One ½ inch Auger Bit.	80.	One Hack Saw Frame with 2 Blades.
105.	One ½ inch Center Bit.	120.	One Level.
31.	One 1 inch Center Bit.	121.	One Flat Pliers.
35.	One ¼ inch Gimlet Bit.	122.	One Boxwood Rule.
39.	One ⅜ inch Gimlet Bit.	123.	One Hand Vise.
106.	One Small Gimlet.	97.	One Knife.
107.	One Large Gimlet.	87.	One Cold Chisel.
40.	One Square Reamer.	93.	One Chalk Line.
41.	One Countersink Bit.	125.	One Awl and Reel.
43.	One Adze Eye Hammer.	90.	One Nail Set.
45.	One Mallet.	88.	One Belt Punch.
46.	One Monkey Wrench.	99.	One Cork Screw.
71.	One Hatchet.	95.	One Tack Claw.
70.	One Draw Knife.	127.	Pencils.
108.	One 2 inch Screw Driver.	128.	One 25 ft. Tape Line.
109.	One 4 inch Screw Driver.		

SET No. 6. NUMBER OF TOOLS 59.

PRICE, WITHOUT CHEST, \$13.50.

No.	
101.	One 16 inch Hand or "Cut off" Saw.
102.	One 16 inch Rip or Splitting Saw.
3.	One 10 inch Back Saw.
4.	One Keyhole Saw.
5.	One Block Plane.
9.	One $\frac{1}{2}$ inch Chisel.
11.	One $\frac{1}{4}$ inch Chisel.
13.	One $\frac{3}{8}$ inch Chisel.
14.	One 1 inch Chisel.
18.	One $\frac{1}{2}$ inch Gouge.
20.	One $\frac{1}{4}$ inch Gouge.
21.	One $\frac{3}{8}$ inch Gouge.
103.	One Bit Brace.
26.	One $\frac{5}{8}$ inch Auger Bit.
28.	One $\frac{1}{2}$ inch Auger Bit.
29.	One $\frac{3}{8}$ inch Auger Bit.
105.	One $\frac{3}{8}$ inch Center Bit.
31.	One 1 inch Center Bit.
35.	One $\frac{5}{16}$ inch Gimlet Bit.
37.	One $\frac{3}{16}$ inch Gimlet Bit.
39.	One $\frac{1}{8}$ inch Gimlet Bit.
106.	One Small Gimlet.
107.	One Large Gimlet.
40.	One Square Reamer.
41.	One Countersink Bit.
43.	One Adze Eye Hammer.
45.	One Mallet.
46.	One Monkey Wrench.
71.	One Hatchet.

COMPLETE, WITH CHEST, \$16.00.

No.	
70.	One Draw Knife.
108.	One 2 inch Screw Driver.
109.	One 4 inch Screw Driver.
110.	One 4 inch Three Square File.
111.	One 4 $\frac{1}{2}$ inch Half-round File.
112.	One 4 inch Round File.
113.	One 6 inch Flat File.
47.	One 8 inch Flat File.
114.	One 6 inch Try Square.
115.	One N. P. Tool Holder with 12 Tools.
116.	One Marking Gauge.
117.	One Oilstone in Case.
118.	One Oiler.
76.	One Pincers.
78.	One Pair Dividers, 6 inch.
80.	One Hack Saw Frame—2 Blad's
120.	One Level.
121.	One Flat Pliers.
122.	One Boxwood Rule.
123.	One Hand Vise.
97.	One Knife.
87.	One Cold Chisel.
93.	One Chalk Line.
125.	One Awl and Reel.
90.	One Nail Set.
88.	One Belt Punch.
99.	One Cork Screw.
95.	One Tack Claw.
127.	Pencils.
128.	One 25 ft. Tape Line.

SET No. 7. NUMBER OF TOOLS 65.

PRICE, WITHOUT CHEST, \$15.75.

No.	
101.	One 16 inch Hand or "Cut-off" Saw.
102.	One 16 inch Rip or "Splitting" Saw.
104.	One 10 inch Back Saw.
4.	One Keyhole Saw.
5.	One Block Plane.
6.	One Smooth Plane.
9.	One $\frac{1}{2}$ inch Chisel.
10.	One $\frac{3}{8}$ inch Chisel.
11.	One $\frac{1}{4}$ inch Chisel.
13.	One $\frac{1}{2}$ inch Chisel.

COMPLETE, WITH CHEST, \$18.25.

No.	
14.	One 1 inch Chisel.
15.	One 1 $\frac{1}{2}$ inch Chisel.
18.	One $\frac{1}{2}$ inch Gouge.
20.	One $\frac{1}{4}$ inch Gouge.
21.	One $\frac{3}{8}$ inch Gouge.
103.	One Bit Brace.
25.	One $\frac{5}{8}$ Auger Bit.
26.	One $\frac{1}{2}$ inch Auger Bit.
28.	One $\frac{1}{4}$ inch Auger Bit.
29.	One $\frac{3}{8}$ inch Auger Bit.
105.	One $\frac{3}{8}$ inch Center Bit.
31.	One 1 inch Center Bit.

SET No. 7—Continued.

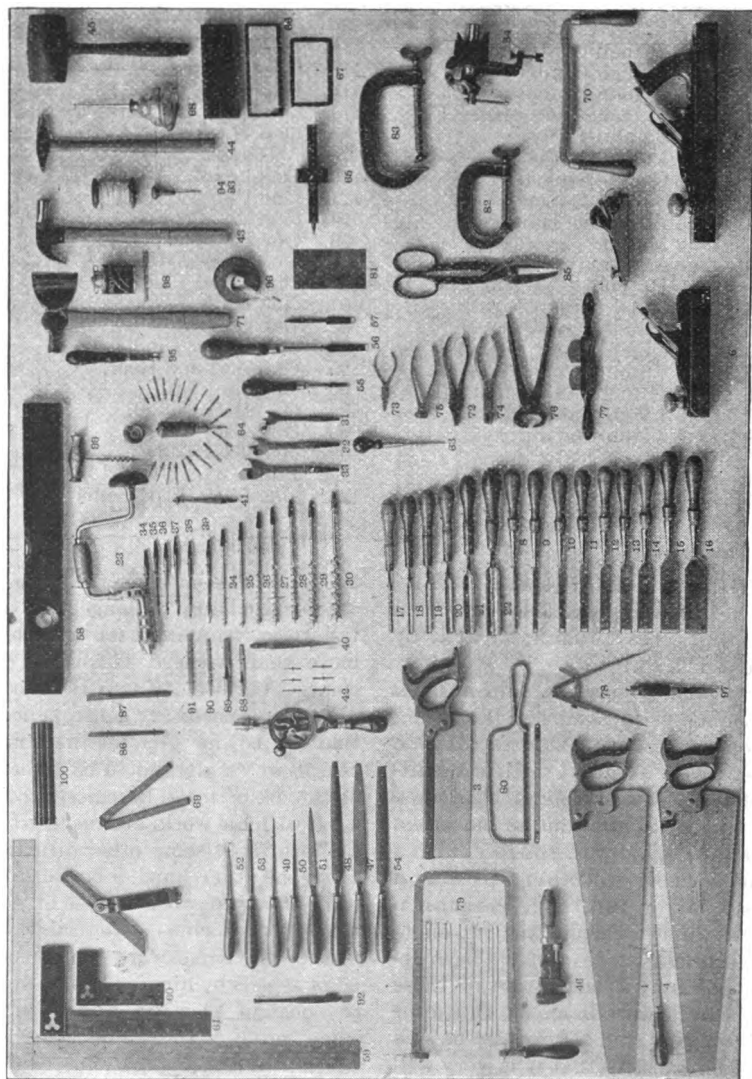
No.		No.	
32.	One 1½ inch Center Bit.	116.	One Marking Gauge.
35.	One ⅝ inch Gimlet Bit.	117.	One Oil Stone in Case,
37.	One ⅝ inch Gimlet Bit.	118.	One Oiler.
39.	One ⅝ inch Gimlet Bit.	78.	One Pair Dividers, 6 inch.
106.	One Small Gimlet.	80.	One Hack Saw Frame with 2 Blades.
107.	One Large Gimlet.	120.	One Level.
41.	One Countersink Bit.	121.	One Pair Plyers.
40.	One Square Reamer.	74.	One Gas Plyer.
43.	One Adze Eye Hammer.	76.	One Pincers.
45.	One Mallet.	122.	One Boxwood Rule.
46.	One Monkey Wrench.	123.	One Hand Vise.
71.	One Hatchet.	97.	One Knife.
70.	One Draw Knife.	87.	One Cold Chisel.
108.	One 2 inch Screw Driver.	93.	One Chalk Line.
109.	One 4 inch Screw Driver.	125.	One Awl and Reel.
110.	One 4 inch 3 Cornered File.	90.	One Nail Set.
111.	One 4½ inch Half-round File.	88.	One Belt Punch.
112.	One 4 inch Round File.	99.	One Cork Screw.
113.	One 6 inch Flat File.	95.	One Tack Claw.
47.	One 8 inch Flat File.	127.	Penolis.
114.	One 6 inch Try Square.	128.	One 25 ft. Tape Line.
115.	One N.P. Tool Holder—12 Tools		

THE TOOL HOUSE AT HOME.

The following article we copy from the July, 1895 "Century." It is by Bayard T. Putnam:—

"I wish to present a plea for a 'tool-house' at home for the young people, and one well stocked with the best tools. A great deal of creditable work has doubtless been done with a jack-knife and an old cross-cut saw, reinforced, possibly, with a half-worn out smoothing plane, a rusty bit or two, and, perhaps, a chisel; and a certain amount of ingenuity has unquestionably been developed by the adaptation of these tools to the work in hand. But, after all, the best that can usually be said of such work is that it is very well done considering the means. The edges are rarely square and true, the joints are rarely well made, and

the time consumed on the "job" is apt to be unduly prolonged, so that the work, if intended for something more than a mere makeshift, becomes wearisome before it is completed. A necessary consequence is that the boy (or girl, for there is no reason why a girl should be ignorant of the use of tools) becomes discouraged with his work, and decides that his forte is in some other direction. If, on the other hand, a boy once becomes familiar with the use of good tools—tools such as an artisan would use for the same work—the knowledge stands by him, and is a source of constant pleasure and often of some profit. In a few words, to use a Western expression, the best tools ought not to be "too rich for the blood" of any intelligent American boy."



SET NO. 18.

The above illustration shows the style of tools in all Sets from Nos. 12 to 18. The tools in all these sets are alike as regards sizes and quality, the only difference being in the number of tools contained in each set.

SET No. 12. NUMBER OF TOOLS 64.

PRICE, WITHOUT CHEST, \$17.50.		COMPLETE, WITH CHEST, \$20.75.	
No.		No.	
1.	One 20 in. Hand or "Cut-off" Saw	55.	One 3 inch Screw Driver.
2.	One 20 in. Rip or "Splitting" Saw	56.	One 5 inch Screw Driver.
4.	One 10 inch Compass Saw.	57.	One Screw Driver Bit.
6.	One Smooth Plane.	59.	One 24 inch Steel Square.
9.	One $\frac{1}{2}$ inch Chisel.	60.	One $\frac{7}{8}$ inch Try Square.
10.	One $\frac{3}{8}$ inch Chisel.	63.	One Socket Scratch Awl.
11.	One $\frac{1}{2}$ inch Chisel.	64.	One Boxwood Tool Holder with 20 Tools.
13.	One $\frac{3}{8}$ inch Chisel.	65.	One Rosewood Mortise and Marking Gauge.
14.	One 1 inch Chisel.	66.	One Oil Stone in Case.
18.	One $\frac{1}{2}$ inch Gouge.	67.	One Oil Stone Slip.
19.	One $\frac{3}{8}$ inch Gouge.	68.	One Brass Oiler.
20.	One $\frac{1}{2}$ inch Gouge.	69.	One Brass Bound 2 ft. Rule.
21.	One $\frac{3}{8}$ inch Gouge.	70.	One Draw Knife.
23.	One Ratchet Brace.	71.	One Hatchet.
24.	One $\frac{1}{2}$ inch Auger Bit.	72.	One Combination Plyer.
25.	One $\frac{3}{8}$ inch Auger Bit.	75.	One Cutting Plyer.
26.	One $\frac{3}{8}$ inch Auger Bit.	76.	One Pincers.
28.	One $\frac{1}{2}$ inch Auger Bit.	78.	One Pair Dividers.
29.	One $\frac{3}{8}$ inch Auger Bit.	80.	One Hack Saw Frame, 2 Blades
30.	One $\frac{1}{2}$ inch Auger Bit.	83.	One 5 inch Clamp.
31.	One 1 inch Center Bit.	84.	One Bench Vise.
33.	One $1\frac{1}{2}$ inch Center Bit.	87.	One Medium Cold Chisel.
35.	One $\frac{3}{8}$ inch Gimlet Bit.	88.	One Small Belt Punch.
37.	One $\frac{3}{8}$ inch Gimlet Bit.	90.	One Small Nail Set.
39.	One $\frac{3}{8}$ inch Gimlet Bit.	91.	One Large Nail Set.
40.	One Square Reamer.	93.	One Chalk Line.
43.	One Adze Eye Hammer.	94.	One Reel.
45.	One Mallet.	95.	One 50 ft. Tape Line.
46.	One Monkey Wrench.	97.	One Knife.
48.	One 8 inch Half-round File.	98.	One Can LePage Glue.
49.	One 5 inch Round File.	100.	Assorted Pencils.
51.	One 5 inch Flat File.		
52.	One $3\frac{1}{4}$ inch 3 Square File.		

SET No. 13. NUMBER OF TOOLS 70.

PRICE, WITHOUT CHEST, \$19.75.		COMPLETE, WITH CHEST, \$23.00.	
No.		No.	
1.	One 20 in. Hand or "Cut-off" Saw	23.	One Ratchet Brace.
2.	One 20 in. Rip or "Splitting" Saw	24.	One $\frac{1}{2}$ inch Auger Bit.
4.	One 10 inch Compass Saw.	25.	One $\frac{3}{8}$ inch Auger Bit.
6.	One Smooth Plane.	26.	One $\frac{3}{8}$ inch Auger Bit.
9.	One $\frac{1}{2}$ inch Chisel.	28.	One $\frac{1}{2}$ inch Auger Bit.
10.	One $\frac{3}{8}$ inch Chisel.	29.	One $\frac{3}{8}$ inch Auger Bit.
11.	One $\frac{1}{2}$ inch Chisel.	30.	One $\frac{1}{2}$ inch Auger Bit.
13.	One $\frac{3}{8}$ inch Chisel.	31.	One 1 inch Center Bit.
14.	One 1 inch Chisel.	33.	One $1\frac{1}{2}$ inch Center Bit.
18.	One $\frac{1}{2}$ inch Gouge.	34.	One $\frac{3}{8}$ inch Gimlet Bit.
19.	One $\frac{3}{8}$ inch Gouge.	35.	One $\frac{3}{8}$ inch Gimlet Bit.
20.	One $\frac{1}{2}$ inch Gouge.	37.	One $\frac{3}{8}$ inch Gimlet Bit.
21.	One $\frac{3}{8}$ inch Gouge.	39.	One $\frac{3}{8}$ inch Gimlet Bit.

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SET No. 13—Continued.

No.		No.	
40.	One Square Reamer.	70.	One Draw Knife.
42.	One Hand Drill and Bits.	71.	One Hatchet.
43.	One Adze Eye Hammer.	72.	One Combination Plyer.
45.	One Mallet.	75.	One Cutting Nippers.
46.	One Monkey Wrench.	76.	One Pincers.
48.	One 8 inch Half-round File.	78.	One Pair Dividers.
49.	One 5 inch Round File.	80.	One Hack Saw Frame, 2 Blades
51.	One 5 inch Flat File.	83.	One 5 inch Clamp.
52.	One 3 $\frac{1}{4}$ inch 3 Square File.	84.	One Bench Vise.
55.	One 3 inch Screw Driver.	86.	One Small Cold Chisel.
56.	One 5 inch Screw Driver.	87.	One Medium Cold Chisel.
57.	One Screw Driver Bit.	88.	One Small Belt Punch.
59.	One 24 inch Steel Square.	89.	One Large Belt Punch.
60.	One 7 $\frac{1}{4}$ inch Try Square.	90.	One Small Nail Set.
63.	One Socket Scratch Awl.	91.	One Large Nail Set.
64.	One Boxwood Tool Holder with 20 Tools.	93.	One Chalk Line.
65.	One Rosewood Mortise and Marking Gauge.	94.	One Reel.
66.	One Oil Stone in Case.	95.	One Tack Claw.
67.	One Oil Stone Slip.	96.	One 50 ft. Tape Line.
68.	One Brass Oiler.	97.	One Knife.
69.	One Brass Bound 2 ft. Rule.	98.	One Can LePage Glue.
		99.	One Cork Screw.
		100.	Assorted Pencils.

SET No. 14. NUMBER OF TOOLS 75.

PRICE, WITHOUT CHEST, \$22.00.

COMPLETE, WITH CHEST, \$25.25.

No.		No.	
1.	One 20 in. Hand or "Cut-off" Saw	34.	One $\frac{3}{8}$ inch Gimlet Bit.
2.	One 20 inch Rip or "Splitting" Saw.	35.	One $\frac{3}{8}$ inch Gimlet Bit.
3.	One 10 inch Back Saw.	37.	One $\frac{3}{8}$ inch Gimlet Bit.
4.	One 10 inch Compass Saw.	38.	One $\frac{7}{8}$ inch Gimlet Bit.
5.	One Block Plane.	39.	One $\frac{3}{4}$ inch Gimlet Bit.
7.	One Jack Plane.	40.	One Square Reamer.
9.	One $\frac{1}{2}$ inch Chisel.	41.	One Countersink Bit.
10.	One $\frac{3}{8}$ inch Chisel.	42.	One Hand Drill and Bits.
11.	One $\frac{1}{2}$ inch Chisel.	43.	One Adze Eye Hammer.
13.	One $\frac{1}{2}$ inch Chisel.	45.	One Mallet.
14.	One 1 inch Chisel.	46.	One Monkey Wrench.
18.	One $\frac{1}{2}$ inch Gouge.	48.	One 8 inch Half-round File.
19.	One $\frac{3}{8}$ inch Gouge.	49.	One 5 inch Round File.
20.	One $\frac{1}{2}$ inch Gouge.	51.	One 5 inch Flat File.
21.	One $\frac{3}{4}$ inch Gouge.	53.	One 3 $\frac{1}{4}$ inch 3 Square File.
23.	One Ratchet Brace.	55.	One 3 inch Screw Driver.
24.	One $\frac{1}{2}$ inch Auger Bit.	56.	One 5 inch Screw Driver.
25.	One $\frac{5}{8}$ inch Auger Bit.	57.	One Screw Driver Bit.
26.	One $\frac{3}{8}$ inch Auger Bit.	59.	One 24 inch Steel Square.
28.	One $\frac{1}{2}$ inch Auger Bit.	60.	One 7 $\frac{1}{4}$ inch Try Square.
29.	One $\frac{3}{8}$ inch Auger Bit.	63.	One Socket Scratch Awl.
30.	One $\frac{1}{2}$ inch Auger Bit.	64.	One Boxwood Tool Holder with 20 Tools.
31.	One 1 inch Center Bit.	65.	One Rosewood Mortise and Marking Gauge.
32.	One 1 $\frac{1}{2}$ inch Center Bit.	66.	One Oil Stone in Case.
33.	One 1 $\frac{1}{4}$ inch Center Bit.		

SET No. 14—Continued.

No.		No.	
67.	One Oil Stone Slip.	87.	One Medium Cold Chisel.
68.	One Brass Oiler.	88.	One Small Belt Punch.
69.	One Brass Bound 2 ft. Rule.	89.	One Large Belt Punch.
70.	One Draw Knife.	90.	One Small Nail Set.
71.	One Hatchet.	91.	One Large Nail Set.
72.	One Combination Plyer.	93.	One Chalk Line.
75.	One Cutting Nipper.	94.	One Reel.
76.	One Pincers.	95.	One Tack Claw.
78.	One Pair Dividers.	96.	One 50 ft. Tape Line.
80.	One Hack Saw Frame, 2 Blades	97.	One Knife.
83.	One 5 inch Clamp.	98.	One Can LePage Glue.
84.	One Bench Vise.	99.	One Cork Screw.
86.	One Small Cold Chisel.	100.	Assorted Pencils.

SET No. 15. NUMBER OF TOOLS 80.

PRICE, WITHOUT CHEST, \$24.00.		COMPLETE, WITH CHEST, \$27.25.	
No.		No.	
1.	One 20 in. Hand or "Cut-off" Saw	43.	One Adze Eye Hammer.
2.	One 20 inch Rip or "Splitting" Saw.	45.	One Mallet.
3.	One 10 inch Back Saw.	46.	One Monkey Wrench.
4.	One 10 inch Compass Saw.	48.	One 8 inch Half-round File.
5.	One Block Plane.	49.	One 5 inch Round File.
6.	One Smooth Plane.	51.	One 5 inch Flat File.
7.	One Jack Plane.	52.	One 3½ inch 3 Square File.
9.	One ½ inch Chisel.	53.	One 5 inch 3 Square File.
10.	One ¾ inch Chisel.	54.	One 8 inch Wood Rasp.
11.	One 1 inch Chisel.	55.	One 3 inch Screw Driver.
13.	One ½ inch Chisel.	56.	One 5 inch Screw Driver.
14.	One 1 inch Chisel.	57.	One Screw Driver Bit.
18.	One ½ inch Gouge.	59.	One 24 inch Steel Square.
19.	One ¾ inch Gouge.	60.	One 7½ inch Try Square.
20.	One 1 inch Gouge.	63.	One Socket Scratch Awl.
21.	One 1½ inch Gouge.	64.	One Boxwood Tool Holder with 20 Tools.
23.	One Ratchet Brace.	65.	One Rosewood Mortise and Marking Gauge.
24.	One ½ inch Auger Bit.	66.	One Oil Stone in Case.
25.	One ¾ inch Auger Bit.	67.	One Oil Stone Slip.
28.	One ½ inch Auger Bit.	68.	One Brass Oiler.
29.	One ¾ inch Auger Bit.	69.	One Brass Bound 2 ft. Rule.
30.	One 1 inch Auger Bit.	70.	One Draw Knife.
31.	One 1 inch Center Bit.	71.	One Hatchet.
32.	One 1½ inch Center Bit.	72.	One Combination Plyer.
33.	One 1½ inch Center Bit.	74.	One Gas Plyer.
34.	One ⅝ inch Gimlet Bit.	76.	One Pincers.
35.	One ⅞ inch Gimlet Bit.	77.	One Double Spoke Shave.
37.	One ⅞ inch Gimlet Bit.	78.	One Pair Dividers.
38.	One 1 inch Gimlet Bit.	79.	One Bracket Saw Frame with 12 Blades.
39.	One 1½ inch Gimlet Bit.	80.	One Hack Saw Frame, 2 Blades
40.	One Square Reamer.	83.	One 5 inch Clamp.
41.	One Countersink Bit.	84.	One Bench Vise.
42.	One Hand Drill and Bits.		

[OVER]

SET No. 15—Continued.

No.	No.
86. One Small Cold Chisel.	94. One Reel.
87. One Large Cold Chisel.	95. One Tack Claw.
88. One Small Belt Punch.	96. One 50 ft. Tape Line.
89. One Large Belt Punch.	97. One Knife.
90. One Small Nail Set.	98. One Can LePage Glue.
91. One Large Nail Set.	99. One Cork Screw.
93. One Chalk Line.	100. Assorted Pencils.

AS TO PRICES.

Our prices on these Sets of Tools are very low, but of course are not lower than we can afford to sell them and make a decent profit.

A short time ago we had a letter from a gentleman in Ohio, as follows:
Chas. A. Strelinger & Co.

Gentlemen:—I received the Set of Tools and Chest some four or five weeks since. The tools have been a constant source of comfort and entertainment to my boys and myself, and but very few days pass, without something or other coming into convenient use. Everything is really beyond my expectation. You will, no doubt, get an order very soon from a neighbor of mine, Mr. C. H. Briggs. The set I have is No. 6. Mr. Briggs took a list of the tools into one of our leading hardware stores, and their price for the set complete was \$16.85, which is over 20 per cent more than your price. Besides, the tools would have to be sharpened at an expense of at least \$1.50.

I cannot see how you can furnish such tools at the prices.

Respectfully yours,

We will once for all explain to our friends just how we can furnish these tools of most excellent quality at such reasonable prices.

First—By reason of improved machinery, lower cost of stock, and greater facilities for manufacturing, manufacturers are enabled to produce tools at prices varying from 25 to 60 per cent less than the same tools were produced fifteen, ten, or even five years ago. To-day very decent gimlets cost us \$2.80 per gross—less than 2 cents apiece; the common kind, usually put up in

small tool chests, can be bought for less than one-half of this price. Ten years ago these gimlets cost three times as much. About the same time planes similar to the one which we put in even the cheapest set, cost us \$1.20. At the present time we buy them for 54 cents, and so on.

If you will take a Chisel, Gouge, Draw Knife or Hatchet to a shop to be ground, you will have to pay not less than 10, and from that to 25 cents for grinding and sharpening. We have special machinery for grinding these tools, and grind from 100 to 500 of a single size tool at a time, and it costs us less than 2 cents to sharpen a 1½ inch chisel or gouge.

Second—In selling these tools in Sets, we are selling them virtually at wholesale and can afford to sell them at wholesale prices. It costs more to sell goods at retail than wholesale. Let us take the estimated cost of selling these tools by the piece at retail, as compared with the cost of selling them in sets, taking the Set No. 15 as an example.

There are 80 tools in this set. It usually takes about ten minutes to wait on a customer, do up the article, make change, etc., etc. At this rate it would take 800 minutes to sell in the ordinary retail way the tools in this set. We may have over-stated the time. Let us go to the other extreme, and say that it would take three minutes to each article. This would make four hours. The clerk's time, at average rate of wages, would cost 90 cents. With our facilities, one of our order clerks can get out and pack 25 of these sets in a day; at the same rate of wages this costs us 9 cents.

SET No. 16. NUMBER OF TOOLS 87.

PRICE, WITHOUT CHEST, \$25.50.

COMPLETE, WITH CHEST, \$28.75.

No.

1. One 20 inch Hand or "Cut-off" Saw.
2. One 10 inch Rip or "Splitting" Saw.
3. One 10 inch Back Saw.
4. One 10 inch Compass Saw.
5. One Block Plane.
6. One Smooth Plane.
7. One Jack Plane.
8. One $\frac{1}{2}$ inch Chisel.
9. One $\frac{3}{4}$ inch Chisel.
10. One $\frac{7}{8}$ inch Chisel.
11. One $\frac{1}{2}$ inch Chisel.
13. One $\frac{3}{4}$ inch Chisel.
14. One 1 inch Chisel.
16. One $1\frac{1}{2}$ inch Chisel.
18. One $\frac{1}{2}$ inch Gouge.
19. One $\frac{3}{4}$ inch Gouge.
20. One $\frac{1}{2}$ inch Gouge.
21. One $\frac{3}{4}$ inch Gouge.
23. One Ratchet Brace.
24. One $\frac{1}{2}$ inch Auger Bit.
25. One $\frac{5}{8}$ inch Auger Bit.
26. One $\frac{3}{4}$ inch Auger Bit.
28. One $\frac{1}{2}$ inch Auger Bit.
29. One $\frac{3}{4}$ inch Auger Bit.
30. One $\frac{1}{2}$ inch Auger Bit.
31. One 1 inch Center Bit.
32. One $1\frac{1}{2}$ inch Center Bit.
33. One $1\frac{1}{2}$ inch Center Bit.
34. One $\frac{5}{8}$ inch Gimlet Bit.
35. One $\frac{3}{4}$ inch Gimlet Bit.
36. One $\frac{5}{8}$ inch Gimlet Bit.
37. One $\frac{3}{4}$ inch Gimlet Bit.
38. One $\frac{5}{8}$ inch Gimlet Bit.
39. One $\frac{1}{2}$ inch Gimlet Bit.
40. One Square Reamer.
41. One Countersink Bit.
42. One Hand Drill and Bits.
43. One Adze Eye Hammer.
45. One Mallet.
46. One Monkey Wrench.
48. One 8 inch Half-round File.
49. One 5 inch Half-round File.
50. One 5 inch Square File.
51. One 5 inch Flat File.

No.

52. One $3\frac{1}{2}$ inch 3 Square File.
53. One 5 inch 3 Square File.
54. One 8 inch Wood Rasp.
55. One 3 inch Screw Driver.
56. One 5 inch Screw Driver.
57. One Screw Driver Bit.
59. One 24 inch Steel Square.
60. One $7\frac{1}{2}$ inch Try Square.
63. One Socket Scratch Awl.
64. One Boxwood Tool Holder with 20 Tools.
65. One Rosewood Mortise and Marking Gauge.
66. One Oil Stone in Case.
67. One Oil Stone Slip.
68. One Brass Oiler.
69. One Brass Bould 2 ft. Rule.
70. One Draw Knife.
71. One Hatchet.
72. One Combination Plyer.
74. One Gas Plyer.
75. One Cutting Nipper.
76. One Pincers.
77. One Double Spoke Shave.
78. One Pair Dividers.
79. One Bracket Saw Frame with 12 Blades.
80. One Hack Saw Frame with 2 Blades.
82. One 3 inch Clamp.
83. One 5 inch Clamp.
84. One Bench Vise.
86. One Small Cold Chisel.
87. One Medium Cold Chisel.
88. One Small Belt Punch.
89. One Large Belt Punch.
90. One Small Nail Set.
91. One Large Nail Set.
92. One Glass Cutter.
93. One Chalk Line.
94. One Reel.
95. One Tack Claw.
96. One 50 ft. Tape Line.
97. One Knife.
98. One Can LePage Glue.
99. One Cork Screw.
100. Assorted Pencils.

SET No. 17. NUMBER OF TOOLS 93.

PRICE, WITHOUT CHEST, \$27.25.

COMPLETE, WITH CHEST, \$30.50.

No.

1. One 20 in Hand or "Cut-off" Saw
2. One 20 inch Rip or "Splitting" Saw.
3. One 10 inch Back Saw.
4. One 10 inch Compass Saw.
5. One Block Plane.
6. One Smooth Plane.
7. One Jack Plane.
8. One $\frac{1}{2}$ inch Chisel.
9. One $\frac{1}{2}$ inch Chisel.
10. One $\frac{3}{4}$ inch Chisel.
11. One $\frac{1}{2}$ inch Chisel.
12. One $\frac{3}{4}$ inch Chisel.
13. One $\frac{1}{2}$ inch Chisel.
14. One 1 inch Chisel.
16. One $1\frac{1}{2}$ inch Chisel.
17. One $\frac{1}{2}$ inch Gouge.
18. One $\frac{1}{2}$ inch Gouge.
19. One $\frac{3}{4}$ inch Gouge.
20. One $\frac{1}{2}$ inch Gouge.
21. One $\frac{1}{2}$ inch Gouge.
23. One Ratchet Brace.
24. One $\frac{1}{2}$ inch Auger Bit.
25. One $\frac{1}{4}$ inch Auger Bit.
26. One $\frac{3}{8}$ inch Auger Bit.
28. One $\frac{1}{2}$ inch Auger Bit.
29. One $\frac{3}{4}$ inch Auger Bit.
30. One $\frac{1}{2}$ inch Auger Bit.
31. One 1 inch Center Bit.
32. One $1\frac{1}{2}$ inch Center Bit.
33. One $1\frac{1}{2}$ inch Center Bit.
34. One $\frac{3}{8}$ inch Gimlet Bit.
35. One $\frac{1}{2}$ inch Gimlet Bit.
36. One $\frac{1}{2}$ inch Gimlet Bit.
37. One $\frac{3}{8}$ inch Gimlet Bit.
38. One $\frac{1}{2}$ inch Gimlet Bit.
39. One $\frac{3}{8}$ inch Gimlet Bit.
40. One Square Reamer.
41. One Countersink Bit.
42. One Hand Drill and Bits.
43. One Adze Eye Hammer.
44. One Riveting Hammer.
45. One Mallet.
46. One Monkey Wrench.
47. One 8 inch Flat File.
48. One 8 inch Half-round File.
49. One 5 inch Round File.
50. One 5 inch Square File.
51. One 5 inch Flat File.

No.

52. One $3\frac{1}{2}$ inch 3 Square File.
53. One 5 inch 3 Square File.
54. One 8 inch Wood Rasp.
55. One 3 inch Screw Driver.
56. One 5 inch Screw Driver.
57. One Screw Driver Bit.
58. One Plumb and Level.
59. One 24 inch Steel Square.
60. One $7\frac{1}{2}$ inch Try Square.
61. One 9 inch Try Square.
63. One Socket Scratch Awl.
64. One Boxwood Tool Holder with 20 Tools.
65. One Rosewood Mortise and Marking Gauge.
66. One Oil Stone in Casé.
67. One Oil Stone Slip.
68. One Brass Oiler.
69. One Brass Bound 2 ft. Rule.
70. One Draw Knife.
71. One Hatchet.
72. One Combination Plyer.
74. One Gas Plyer.
75. One Cutting Nipper.
76. One Pincers.
77. One Double Spoke Shave.
78. One Pair Dividers.
79. One Bracket Saw Frame with 12 Blades.
80. One Hack Saw Frame with 2 Blades.
82. One 3 inch Clamp.
83. One 5 inch Clamp.
84. One Bench Vise.
86. One Small Cold Chisel.
87. One Medium Cold Chisel.
88. One Small Belt Punch.
89. One Large Belt Punch.
90. One Small Nail Set.
91. One Large Nail Set.
92. One Glass Cutter.
93. One Chalk Line.
94. One Reel.
95. One Tack Claw.
96. One 50 ft. Tape Line.
97. One Knife.
98. One Can LePage Glue.
99. One Cork Screw.
100. Assorted Pencils.

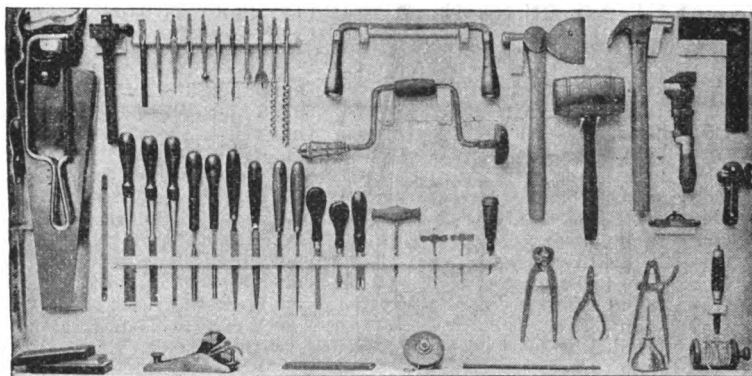
SET No. 18. NUMBER OF TOOLS 100.

PRICE, WITHOUT CHEST, \$30.00.

- No.
 1. One 20 in. Hand or "Cut-off" Saw
 2. One 20 in. Rip or "Splitting" Saw
 3. One 10 inch Back Saw.
 4. One 10-inch Compass Saw.
 5. One Block Plane.
 6. One Smooth Plane.
 7. One Jack Plane.
 8. One $\frac{1}{2}$ inch Chisel.
 9. One $\frac{1}{2}$ inch Chisel.
 10. One $\frac{3}{4}$ inch Chisel.
 11. One $\frac{1}{2}$ inch Chisel.
 12. One $\frac{3}{4}$ inch Chisel.
 13. One $\frac{1}{2}$ inch Chisel.
 14. One 1 inch Chisel.
 15. One 1 $\frac{1}{2}$ inch Chisel.
 16. One 1 $\frac{1}{2}$ inch Chisel.
 17. One $\frac{1}{2}$ inch Gouge.
 18. One $\frac{1}{2}$ inch Gouge.
 19. One $\frac{3}{4}$ inch Gouge.
 20. One $\frac{1}{2}$ inch Gouge.
 21. One $\frac{3}{4}$ inch Gouge.
 22. One 1 inch Gouge.
 23. One Ratchet Brace.
 24. One $\frac{1}{2}$ inch Auger Bit.
 25. One $\frac{3}{4}$ inch Auger Bit.
 26. One $\frac{1}{2}$ inch Auger Bit.
 27. One $\frac{3}{4}$ inch Auger Bit.
 28. One $\frac{1}{2}$ inch Auger Bit.
 29. One $\frac{3}{4}$ inch Auger Bit.
 30. One $\frac{1}{2}$ inch Auger Bit.
 31. One 1 inch Center Bit.
 32. One 1 $\frac{1}{2}$ inch Center Bit.
 33. One 1 $\frac{1}{2}$ inch Center Bit.
 34. One $\frac{3}{32}$ inch Gimlet Bit.
 35. One $\frac{1}{16}$ inch Gimlet Bit.
 36. One $\frac{3}{32}$ inch Gimlet Bit.
 37. One $\frac{1}{16}$ inch Gimlet Bit.
 38. One $\frac{3}{32}$ inch Gimlet Bit.
 39. One $\frac{1}{16}$ inch Gimlet Bit.
 40. One Square Reamer.
 41. One Countersink Bit.
 42. One Hand Drill and Bits.
 43. One Adze Eye Hammer.
 44. One Riveting Hammer.
 45. One Mallet.
 46. One Monkey Wrench.
 47. One 8 inch Flat File.
 48. One 8 inch Half-round File.
 49. One 5 inch Round File.
 50. One 5 inch Square File.
 51. One 5 inch Flat File.
 52. One 3 $\frac{1}{2}$ inch 3 Square File.

COMPLETE, WITH CHEST, \$33.25.

- No.
 53. One 5 inch 3 Square File.
 54. One 8 inch Wood Rasp.
 55. One 3 inch Screw Driver.
 56. One 5 inch Screw Driver.
 57. One Screw Driver Bit.
 58. One Plumb and Level.
 59. One 24 inch Steel Square.
 60. One 7 $\frac{1}{2}$ inch Try Square.
 61. One 9 inch Try Square.
 62. One 8 inch T. Bevel.
 63. One Socket Scratch Awl.
 64. One Boxwood Tool Holder with 20 Tools.
 65. One Rosewood Mortise and Marking Gauge.
 66. One Oil Stone in Case.
 67. One Oil Stone Slip.
 68. One Brass Oiler.
 69. One Brass Bound 2 ft. Rule.
 70. One Draw Knife.
 71. One Hatchet.
 72. One Combination Plyer.
 73. One Round Nose Plyer.
 74. One Gas Plyer.
 75. One Cutting Nipper.
 76. One Pincers.
 77. One Double Spoke Shave.
 78. One pair Dividers.
 79. One Bracket Saw Frame with 12 Blades.
 80. One Hack Saw Frame with 2 Blades.
 81. One Cabinet Scraper.
 82. One 3 inch Clamp.
 83. One 5 inch Clamp.
 84. One Bench Vise.
 85. One Metal Shears.
 86. One Small Cold Chisel.
 87. One Medium Cold Chisel.
 88. One Small Belt Punch.
 89. One Large Belt Punch.
 90. One Small Nail Set.
 91. One Large Nail Set.
 92. One Glass Cutter.
 93. One Chalk Line.
 94. One Reel.
 95. One Tack Claw.
 96. One 50 ft. Tape Line.
 97. One Knife.
 98. One Can LePage Glue.
 99. One Cork Screw,
 100. Assorted Pencils.



TOOL BOARD OR RACK.

TOOL BOARD OR RACK.

The above illustration shows Set No. 5. The cut is made from a "snap shot," and shows the Board exactly as it appears. It is worthy of special mention, as being the work of a boy under nine years of age, Master Willie Everett of this city.

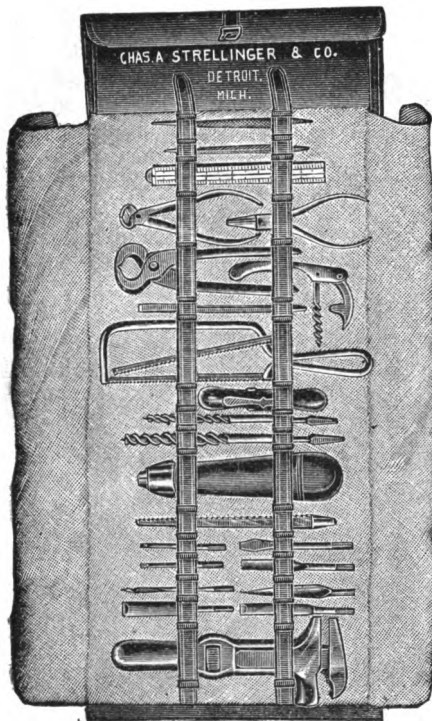
The tools are mounted on the board by the use of 15 or 20 brads and nails, and small wooden pieces glued on. The board is made of $\frac{1}{2}$ inch pine, 4 ft. long by 2 ft. wide, shelf on bottom being $\frac{3}{4}$ inch thick and 3 inches wide. The entire cost of all materials used was less than 30 cents.

There may be certain conditions which would prevent an arrangement of this kind, but in our humble judgment, when circumstances permit, it is the very best way to keep a Set of Tools, and we can indorse it heartily, even though it may in some instances lose us the sale of Chests. Among other advantages are, first, it keeps the tools in such shape that they are convenient to get at, and secondly, it tends to inculcate system and orderly habits.

SUPPLEMENTARY OR PARTIAL SETS.

An especially desirable feature in connection with our Tool Sets, is the one of furnishing Partial Sets to supplement the smaller sets. Thus, a customer has purchased, say a No. 13 Set, which is priced at \$19.75; he can at any time purchase the additional tools to make it equal to the No. 17 Set, by paying the difference in price between the two sets, the only extra cost being that of transportation. We cite a case:

A gentleman residing a few miles out of our city, has two sons, at the present time 14 and 16 years old. Four years ago he bought for the boys a Set of Tools equal to about our No. 3. From time to time on birthdays and holidays he has presented them with additional tools, so that now they have a set that is quite equal to our No. 7. During this time they have had the use of the tools, the expense of adding to the set has been comparatively light, coming, as it did, at intervals, and he assures us, he has never been at a loss to know what to buy for the boys when desirous of making them a present.



ROLL OF TOOLS.

TOOL ROLL.

These tools are all of the finest quality, and are put up in a form that will be found especially convenient for the office or the house; for hunters and fishermen, also to carry about in vehicles, for use in case of break-down or other emergencies. They are light, weighing between 4 and 5 lbs., and make a splendid present for a gentleman.

Nos. 41 and 42 are of heavy canvas. Nos. 43 and 44 are of leather. They are all flannel-lined. The illustration shows No. 43.

No.	41	42	43	44
Price,	\$7.75	\$5.75	\$9.00	\$7.00
No. Tools,	26	21	26	21

A FEW EXTRACTS FROM THE DIARY OF A MAN SPENDING THE SUMMER WITH HIS FAMILY "AT THE SHORE."

June 18th—Spent most of the day putting up curtains and various household adornments, having for tools a can opener and rock. Result—mashed fingers and evil thoughts.

June 19th—Pipe on gasoline stove leaked, sent five miles to the village for plumber with pair of gas plyers, who took five minutes to fix it up, charged me 10 cents for doing the work and \$1.15 for coming and going. Cheap enough.

July 3d—Spent nearly an hour trying to get a small nail out of Willie's shoe; gave it up as a bad job; shoe went to the village shoemaker. If I had only had a pair of nippers.

July 9th—Cold day; wind blowing Great Guns! Had to put a table against the front door to keep it closed; door has shrunk so that the latch won't hold. If I only had a chisel and screw driver.

July 12th—Sad accident. The end of pole which holds up portieres fell off on wife's five o'clock tea table set. It had been threatening for some time, but we didn't dream of such depravity. Result—one broken tray, two cups and one saucer; total loss easily \$12.00. Besides this, gloom for a week at least. If I only had a brace and bit.

July 23d—Spent this morning making boats for the boys, with no other tool than a pocket knife; raised four elegant blisters on my hand. If I only had a chisel or two, and perhaps a small saw. Wouldn't say anything if I had even a whetstone to sharpen my knife on, that would have saved a blister or two.

Aug. 4th—Another sad accident. The brass uprights of chafing dish were bent in packing; wife used it for the first time this evening to make a welsh rarebit. Result—the dish slipped and dumped about a quart of "fixins" in her lap, ruined her best dress skirt. If I only had a pair of plyers.

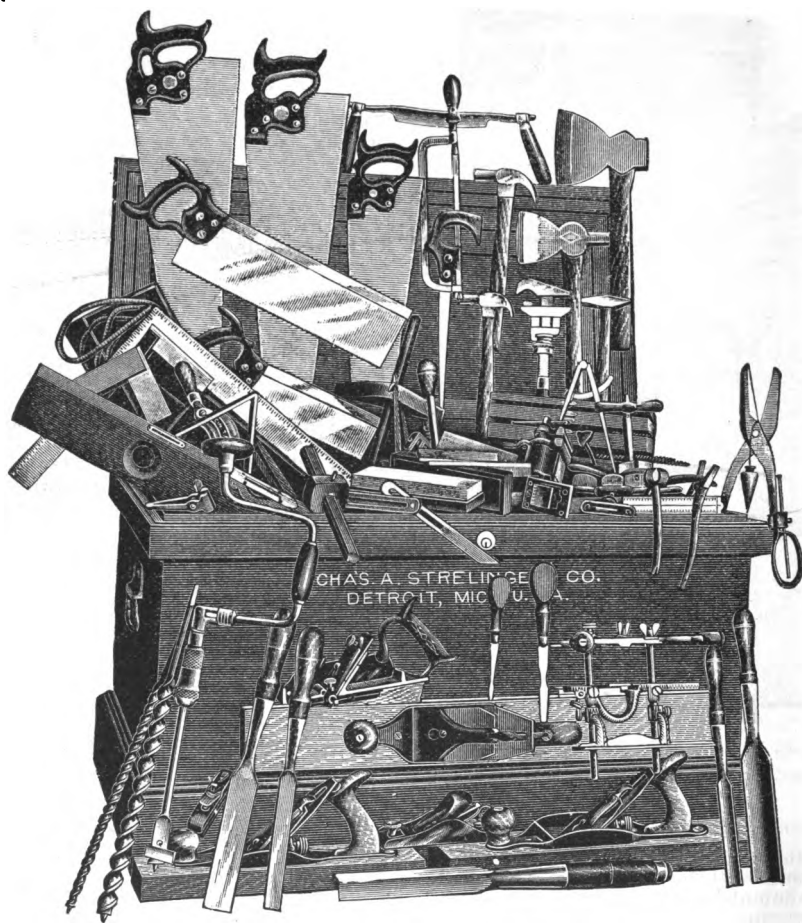


FIG. 1741.

SETS OF TOOLS AND TOOL CHESTS

FOR

CARPENTERS, CABINET AND PATTERN MAKERS, RAILROADS
AND MINES, FARMERS, PLANTERS, AMATEURS,

AND

MANUFACTURING ESTABLISHMENTS.

MECHANICS' TOOLS.

It hardly seems necessary for us to expatiate upon the advantages of possessing a good Set of Tools for use in and about manufacturing establishments. Hardly a day passes on which they can not be used to good advantage, and in hundreds of places the cost of a Set of Tools can be saved in a very short time.

These Sets of Tools and Chests are put up to meet a growing demand for Tool Sets that are more or less complete and adapted to the different needs of users.

All tools are of the best quality, are fully warranted, and are sharpened and fitted ready for use. If we may with becoming modesty, say it, we believe that we are the most extensive dealers in Strictly High Grade Tools in the world.

The Tools in these Sets and Chests are our regular stock goods. We deem it necessary to state this in connection with Tool Chests, as the majority of Tool Chest outfits sold are generally provided with tools of such indifferent quality, as to render them of little practical use.

SET No. 22. NUMBER OF TOOLS 90.

PRICE, WITHOUT CHEST, \$27.50.

COMPLETE, WITH CHEST, \$41.50.

- 1 Bailey Smooth Plane.
- 1 " Jack Plane.
- 1 " Block Plane.
- 1 26-inch Hand Saw.
- 1 26-inch Rip Saw.
- 1 20-inch Panel Saw.
- 1 12-inch Back Saw.
- 1 12-inch Compass Saw.
- 1 Hack Saw Frame with 4 Blades.
- 5 Socket Firmer Chisels, $\frac{1}{2}$ to $1\frac{1}{2}$ in.
- 3 Firmer Gouges, $\frac{3}{4}$, $\frac{1}{2}$ and 1 inch.
- 2 Socket Framing Chisels, $\frac{3}{4}$ & $1\frac{1}{2}$ in.
- 1 Ratchet Bit Brace.
- 4 Gimlet Bits, $\frac{1}{8}$ to $\frac{1}{2}$ inch.
- 6 Auger Bits, $\frac{1}{8}$ to $\frac{1}{2}$ inch.
- 3 Center Bits, 1 to $1\frac{1}{2}$ inch.
- 3 Assorted Nail Gimlets.
- 3 Assorted Spike Gimlets.
- 1 Rose Countersink.
- 1 Square Reamer.
- 8 Assorted Files, 4 to 10 inch.
- 1 2-ft. Steel Square.
- 2 Rosewood Handle Try Squares, $4\frac{1}{2}$ and $7\frac{1}{2}$ inch.
- 1 Rosewood Handle T Bevel.
- 1 Spoke Shave.
- 1 Razor Blade Draw Knife.
- 1 Adze Eye Nail Hammer.
- 1 Claw Hatchet.
- 1 Hickory Mallet.

- 1 Rosewood Tool Holder with 10 Tools.
- 1 Mounted Oil Stone.
- 1 Oil Stone Slip.
- 1 Pair Wing Dividers.
- 3 Screw Drivers, 2, 4 and 6 inch.
- 1 Screw Driver Bit.
- 1 Beech Marking Gauge.
- 1 Beech Combined Marking and Mortise Gauge.
- 1 Monkey Wrench.
- 1 Brass Bound Boxwood Rule.
- 1 50-ft. Tape Line in Case.
- 1 26-inch Level and Plumb.
- 1 Plumb Bob.
- 1 Chalk Line and Reel.
- 1 Socket Scratch Awl.
- 1 Pair $4\frac{1}{2}$ inch Flat Nose Pliers.
- 1 Combination Plyer and Wire Cutter.
- 1 Cutting Nippers.
- 1 Carpenters' Pincers.
- 2 Cabinet Clamps.
- 2 Cold Chisels.
- 1 Belt Punch.
- 2 Nail Sets.
- 1 Solid Steel Punch.
- 1 Glass Cutter.
- 1 Oil Can.
- 6 Pencils.

(See article on page 32.)

SET No. 23. NUMBER OF TOOLS 106.

PRICE, WITHOUT CHEST, \$39.25.

- 1 Bailey Smooth Plane.
- 1 " Jack Plane.
- 1 " Block Plane.
- 1 " Fore Plane.
- 1 Pair Match Planes.
- 1 Side Bead Plane.
- 1 Rabbet Plane.
- 1 Hollow Plane.
- 1 Round Plane.
- 1 26-inch Hand Saw.
- 1 26-inch Rip Saw.
- 1 20-inch Panel Saw.
- 1 12-inch Back Saw.
- 1 12-inch Compass Saw.
- 1 Hack Saw Frame with 4 Blades.
- 5 Socket Firmer Chisels, $\frac{1}{2}$ to $1\frac{1}{2}$ in.
- 3 Firmer Gouges, $\frac{3}{8}$, $\frac{1}{2}$ and 1 inch.
- 2 Socket Framing Chisels, $\frac{3}{4}$ & $1\frac{1}{2}$ in.
- 1 Ratchet Bit Brace.
- 4 Gimlet Bits, $\frac{1}{8}$ to $\frac{1}{2}$ inch.
- 6 Auger Bits, $\frac{1}{8}$ to $\frac{1}{2}$ inch.
- 3 Center Bits, $\frac{1}{8}$ to $1\frac{1}{2}$ inch.
- 1 Breast Drill.
- 6 Morse Twist Drills for metal or wood, $\frac{1}{8}$ to $\frac{5}{8}$ inch.
- 1 Rose Countersink.
- 1 Square Reamer.
- 3 Assorted Nail Gimlets.
- 3 Assorted Spike Gimlets.
- 1 Automatic Drill with 8 Bits.
- 8 Assorted Files, 4 to 10 inch.
- 1 2-ft. Steel Square.
- 2 Rosewood Handle Try Squares, $4\frac{1}{2}$ and $7\frac{1}{2}$ inch.
- 1 Rosewood Handle T Bevel.
- 1 Spoke Shave.

COMPLETE, WITH CHEST, \$53.25.

- 1 Razor Blade Draw Knife.
- 1 Adze Eye Nail Hammer.
- 1 Claw Hatchet.
- 1 Hand Axe.
- 1 Hickory Mallet.
- 1 Rosewood Tool Holder with 10 Tools.
- 1 Mounted Oil Stone.
- 1 Oil Stone Slip.
- 1 Pair Wing Dividers.
- 3 Screw Drivers, 2, 4 and 6 inch.
- 1 Screw Driver Bit.
- 1 Beech Marking Gauge.
- 1 Beech Combined Marking and Mortise Gauge.
- 1 Combination Nut & Pipe Wrench.
- 1 Brass Bound Boxwood Rule.
- 1 50-ft. Tape Line in Case.
- 1 26-inch Level and Plumb.
- 1 Plumb Bob.
- 1 Chalk Line and Reel.
- 1 Socket Scratch Awl.
- 1 Pair $4\frac{1}{2}$ inch Flat Nose Pliers.
- 1 Combination Plier and Wire Cutter.
- 1 Cutting Nippers.
- 1 Carpenters' Pincers.
- 1 Tinners' Snips or Shears.
- 1 Glue Pot.
- 2 Cabinet Clamps.
- 2 Cold Chisels.
- 1 Belt Punch.
- 2 Nail Sets.
- 1 Solid Steel Punch.
- 1 Glass Cutter.
- 6 Pencils.

SET No. 24. NUMBER OF TOOLS 126.

PRICE, WITHOUT CHEST, \$53.00.

- 1 Bailey Smooth Plane.
- 1 " Jack Plane.
- 1 " Fore Plane.
- 1 " Block Plane.
- 1 Combination Plane, comprising:
Plow and Dado with 9 Tools,
Bead Plane with 7 Tools,
Matching Plane, Slitting Plane,
and Rabbet and Fillister.
- 2 Hollow Planes.
- 2 Round Planes.

COMPLETE, WITH CHEST, \$67.00.

- 1 26-inch Hand Saw.
- 1 26-inch Rip Saw.
- 1 20-inch Panel Saw.
- 1 12-inch Back Saw.
- 1 12-inch Compass Saw.
- 1 Hack Saw Frame with 6 Blades.
- 1 Saw Set.
- 6 Socket Firmer Chisels, $\frac{1}{2}$ to 2 in.
- 3 Firmer Gouges, $\frac{3}{8}$, $\frac{1}{2}$ and 1 in.
- 3 Socket Framing Chisels, $\frac{3}{4}$, $1\frac{1}{2}$ and 2 inch.

SET No. 24—Continued.

- | | |
|--|--|
| 1 Ratchet Bit Brace. | 1 Screw Driver Bit. |
| 6 Gimlet Bits, $\frac{1}{8}$ to $\frac{1}{2}$ inch. | 1 Beech Marking Gauge. |
| 9 Auger Bits, $\frac{1}{2}$ to 1 inch. | 1 Beech Combined Marking and Mortise Gauge. |
| 3 Center Bits, 1 $\frac{1}{2}$, 1 $\frac{1}{4}$ and 2 inch. | 1 Combination Nut & Pipe Wrench. |
| 3 Assorted Nail Gimlets. | 1 Brass Bound Boxwood Rule. |
| 3 Assorted Spike Gimlets. | 1 50-ft. Tape Line in Case. |
| 1 Automatic Drill with 8 Bits. | 1 26-inch Level and Plumb. |
| 1 Rose Countersink. | 1 Brass Plumb Bob. |
| 1 Square Reamer. | 1 Chalk Line and Reel. |
| 1 Breast Drill. | 1 Socket Scratch Awl. |
| 6 Morse Twist Drills for metal or wood, $\frac{1}{8}$ to $\frac{1}{4}$ inch. | 1 4 $\frac{1}{2}$ -inch Flat Nose Pliers. |
| 12 Assorted Files, 4 to 12 inch. | 1 8-inch Combination Pliers and Wire Cutter. |
| 1 2-ft. Steel Square. | 1 Cutting Nippers. |
| 2 Rosewood Handle Try Squares, 6 and 9 inch. | 1 Carpenters' Pincers. |
| 1 Rosewood T Bevel. | 1 Tinnerns' Snips or Shears. |
| 1 Spoke Shave. | 1 Glue Pot. |
| 1 Razor Blade Draw Knife. | 2 Cabinet Clamps. |
| 1 Adze Eye Nail Hammer. | 1 Bench Vise. |
| 1 Riveting Hammer. | 1 Bench Screw. |
| 1 Claw Hatchet. | 1 Bench Stop. |
| 1 Hand Axe. | 3 Cold Chisels. |
| 1 Hickory Mallet. | 2 Belt Punches. |
| 1 Rosewood Tool Holder with 10 Tools. | 2 Nail Sets. |
| 1 Mounted Oil Stone. | 1 Solid Steel Punch. |
| 1 Oil Stone Slip. | 1 Glass Cutter. |
| 1 Pair Wing Dividers. | 1 Cabinet Scraper. |
| 3 Screw Drivers, 2, 4 and 6 inch. | 1 Oil Can. |
| | 6 Pencils. |

SET No. 25. NUMBER OF TOOLS 146.

PRICE, WITHOUT CHEST, \$67.50.

COMPLETE, WITH CHEST, \$83.50.

- | | |
|---|--|
| 1 Bailey Smooth Plane. | 1 Saw Set. |
| 1 " Jack Plane. | 8 Socket Firmer Chisels, $\frac{1}{2}$ to 2 in. |
| 1 " Fore Plane. | 4 Socket Firmer Gouges, $\frac{3}{4}$ to 1 in. |
| 1 " Block Plane. | 3 Paring Chisels, $\frac{1}{2}$, $\frac{3}{4}$ and 1 in. |
| 1 Bailey Combination Plane, comprising: | 2 Paring Gouges, $\frac{1}{2}$ and 1 in. |
| Plow and Dado with 9 Tools, | 3 Socket Framing Chisels, $\frac{1}{2}$, 1 and 1 $\frac{1}{2}$ inch. |
| Bead Plane with 7 Tools, | 1 Ratchet Bit Brace. |
| Matching Plane, Slitting Plane, and Rabbet and Fillister. | 6 Gimlet Bits, $\frac{1}{8}$ to $\frac{1}{2}$ inch. |
| 1 Quarter-Round Plane. | 6 Jennings' Pattern Auger Bits, $\frac{1}{8}$ to $\frac{1}{2}$ inch. |
| 3 Hollow Planes. | 1 Large Expansive Bit, $\frac{1}{2}$ to 3 inch. |
| 3 Round Planes. | 1 Breast Drill. |
| 1 26-inch Hand Saw. | 6 Morse Twist Drills for metal or wood, $\frac{1}{8}$ to $\frac{1}{4}$ inch. |
| 1 26-inch Rip Saw. | 3 Assorted Nail Gimlets. |
| 1 20-inch Panel Saw. | 3 Assorted Spike Gimlets. |
| 1 12-inch Back Saw. | 1 Automatic Drill with 8 Bits. |
| 1 12-inch Compass Saw. | 1 Rose Countersink. |
| 1 Hack Saw Frame with 6 Blades. | |

[OVER]

SET No. 25—Continued.

- | | |
|-----------------------------------|----------------------------------|
| 1 Patent Countersink. | 1 Brass Bound Boxwood Rule. |
| 1 Square Reamer. | 1 50-ft. Tape Line in Case. |
| 12 Assorted Files, 4 to 12 inch. | 1 26 inch Level and Plumb. |
| 1 Auger Bit File. | 1 Pocket Level. |
| 1 Steel Square. | 1 Brass Plumb Bob. |
| 2 Rosewood Handle Try Squares, | 1 Chalk Line and Reel. |
| 6 and 9 inch. | 1 Socket Scratch Awl. |
| 1 T Bevel, 8 inch. | 1 4½-inch Flat Nose Pliers. |
| 1 Spoke Shave. | 1 4½-inch Round Nose Plier. |
| 1 Draw Knife, Adjustable Handles. | 1 8-inch Combination Plier and |
| 1 Adze Eye Nail Hammer. | Wire Cutter. |
| 1 Brad Hammer. | 1 6 inch Gas Pliers. |
| 1 Riveting Hammer. | 1 Cutting Nippers. |
| 1 Lignumvitæ Mallet. | 1 Carpenters' Pincers. |
| 1 Claw Hatchet. | 1 Tinnerns' Snips or Shears. |
| 1 Hand Axe. | 1 Glue Pot. |
| 1 Adze and Handle. | 2 Cabinet Clamps. |
| 1 Rosewood Tool Holder, 10 Tools. | 1 Hand Vise. |
| 1 Mounted Oil Stone. | 1 Bench Screw. |
| 2 Oil Stone Slips. | 1 Bench Stop. |
| 1 Pair Wing Dividers. | 3 Cold Chisels, ½, ¾ and 1 inch. |
| 1 Pair Calipers. | 2 Belt Punches. |
| 3 Screw Drivers, 2, 4 and 6 inch. | 3 Nail Sets. |
| 2 Screw Driver Bits. | 2 Solid Steel Punches. |
| 2 Marking Gauges. | 1 Glass Cutter. |
| 1 Combined Marking and Mortise | 2 Cabinet Scrapers. |
| Gauge. | 1 Oiler. |
| 1 Combination Nut & Pipe Wrench. | 6 Pencils. |

SET No. 26. NUMBER OF TOOLS 177.

PRICE, WITHOUT CHEST, \$87.50.

COMPLETE, WITH CHEST, \$103.50.

- | | |
|---------------------------------|--------------------------------------|
| 1 Bailey Smooth Plane. | 1 Saw Set. |
| 1 " Jack Plane. | 12 Socket Firmer Chisels, ½ to 2 in. |
| 1 " Fore Plane. | 6 Socket Firmer Gouges, ½ to 1½ in. |
| 1 " Jointer Plane. | 5 Paring Chisels, ½ to 1½ inch. |
| 1 " Block Plane. | 4 Paring Gouges, ¾ to 1 inch. |
| 1 Bailey Combination Plane, | 4 Socket Framing Chisels, ½ to 2 in. |
| comprising: | 1 Corner Chisel, 1 inch. |
| Plow and Dado with 9 Tools, | 1 Ratchet Bit Brace. |
| Bead Plane with 7 Tools, | 6 Gimlet Bits, ¼ to ½ inch. |
| Matching Plane, Slitting Plane, | 8 Jennings' Pattern Auger Bits, |
| and Rabbet and Fillister. | ½ to ¾ inch. |
| 1 Quarter-Round Plane. | 1 Bit Gauge. |
| 1 Ogee Plane. | 1 Large Expansive Bit, ¾ to 3 in. |
| 4 Hollow Planes. | 4 Car Bits, ¼ to 1½ inch. |
| 4 Round Planes. | 1 Breast Drill. |
| 1 26-inch Hand Saw. | 6 Morse Twist Drills for metal or |
| 1 26-inch Rip Saw. | wood, ½ to ¾ inch. |
| 1 20-inch Panel Saw. | 3 Assorted Nail Gimlets. |
| 1 12-inch Back Saw. | 3 Assorted Spike Gimlets. |
| 1 12-inch Compass Saw. | 1 Automatic Drill with 8 Bits. |
| 1 Hack Saw Frame with 6 Blades. | 1 Rose Countersink. |

(See article on page 32.)

Set No. 26—Continued.

- | | |
|---------------------------------------|---|
| 1 Patent Countersink. | 1 Brass Bound Boxwood Rule. |
| 1 Square Reamer. | 1 75-ft. Tape Line in Case. |
| 17 Assorted Files, 4 to 12 inch. | 1 Level and Plumb. |
| 1 Auger Bit File. | 1 Pocket Level. |
| 1 Steel Square. | 1 Brass Plumb Bob. |
| 2 Try Squares, 4 and 8 inch. | 1 Chalk Line and Reel. |
| 1 Patent T Bevel. | 1 Socket Scratch Awl. |
| 1 Spoke Shave. | 1 4½-inch Flat Nose Pliers. |
| 1 Spoke Shave (Double). | 1 4½-inch Round Nose Pliers. |
| 1 Draw Knife, Adjustable Handle. | 1 8-inch Combination Plyer and Wire Cutter. |
| 1 Adze Eye Nail Hammer. | 1 6-inch Gas Pliers. |
| 1 Brad Hammer. | 1 Cutting Nippers. |
| 1 Riveting Hammer. | 1 Carpenters' Pincers. |
| 1 Lignumvitae Mallet. | 1 Tinnerns' Snips or Shears. |
| 1 Claw Hatchet. | 1 Glue Pot. |
| 1 Hand Axe. | 2 Cabinet Clamps. |
| 1 Adze and Handle. | 1 Hand Vise. |
| 1 Rosewood Tool Holder with 12 Tools. | 1 Bench Vise. |
| 1 Mounted Oil Stone. | 1 Bench Screw. |
| 2 Oil Stone Slips. | 1 Bench Stop. |
| 1 Pair Wing Dividers. | 3 Cold Chisels, ½, ⅝ and ¾ inch. |
| 1 Pair Calipers. | 2 Belt Punches. |
| 3 Screw Drivers, 2, 4 and 6 inch. | 3 Nail Sets. |
| 2 Screw Driver Bits. | 2 Solid Steel Punches. |
| 1 Spiral Screw Driver. | 1 Glass Cutter. |
| 2 Boxwood Marking Gauges. | 2 Cabinet Scrapers. |
| 1 Rosewood Mortise Gauge. | 1 Oiler. |
| 1 Combination Nut & Pipe Wrench. | 6 Pencils. |

SET No. 27. NUMBER OF TOOLS 210.

PRICE, WITHOUT CHEST, \$103.50.

COMPLETE, WITH CHEST, \$119.50.

- | | |
|---|---|
| 1 Bailey Smooth Plane. | 1 14-inch Back Saw. |
| 1 " Jack Plane. | 1 10-inch Keyhole Saw. |
| 1 " Fore Plane. | 1 14-inch Compass Saw. |
| 1 " Jointer Plane. | 1 Hack Saw Frame with 6 blades. |
| 1 " Block Plane. | 1 Saw Set. |
| 1 Bailey Combination Plane, comprising: | 12 Socket Firmer Chisels, ½ to 2 in. |
| Plow and Dado with 9 Tools. | 9 Socket Firmer Gouges, ½ to 1½ in. |
| Bead Plane with 7 Tools. | 8 Paring Chisels, ½ to 2 inch. |
| Matching Plane, Slitting Plane, | 6 Paring Gouges, ⅝ to 1½ inch. |
| Rabbit and Fillister. | 6 Socket Framing Chisels, ½ to 2 in. |
| 1 Bailey Bull Nose Plane. | 1 Corner Chisel. |
| 1 Dado Plane. | 1 Ratchet Bit Brace. |
| 1 Quarter-Round Plane. | 13 Jennings' Pattern Auger Bits, ½ to 1 inch. |
| 2 Ogee Planes. | 1 Bit Gauge. |
| 6 Hollow Planes. | 1 Large Expansive Bit, ⅞ to 3 inch. |
| 6 Round Planes. | 4 Car Bits, ⅞ to 1½ inch. |
| 1 26-inch Hand Saw. | 9 Gimlet Bits, ⅞ to 1½ inch. |
| 1 26-inch Rip Saw. | 1 Breast Drill. |
| 1 20-inch Panel Saw. | 6 Morse Twist Drills for metal or wood, ½ to 1½ inch. |
| 1 20-inch Back Saw. | |

[OVER]

Set No. 27—Continued.

- | | |
|--|---|
| 5 Assorted Nail Gimlets. | 1 Rosewood Mortise Gauge. |
| 5 Assorted Spike Gimlets. | 1 Rosewood Panel Gauge. |
| 1 Automatic Drill with 8 Bits. | 1 Combination Nut & Pipe Wrench. |
| 1 Rose Countersink. | 1 Monkey Wrench. |
| 1 Patent Countersink. | 1 Brass Bound Boxwood Rule. |
| 1 Square Reamer. | 1 75-ft. Tape Line in Case. |
| 17 Assorted Files, 4 to 12 inch. | 1 Level and Plumb. |
| 1 Auger Bit File. | 1 Pocket Level. |
| 1 Steel Square. | 1 Brass Plumb Bob. |
| 2 Try Squares, 4 and 8 inch. | 1 Chalk Line and Reel. |
| 1 Patent T Bevel. | 1 Socket Scratch Awl. |
| 1 Spoke Shave. | 1 4½-inch Flat Nose Pliers. |
| 1 Spoke Shave, (Double). | 1 4½-inch Round Nose Pliers. |
| 1 Draw Knife (Adjustable Handles). | 1 8-inch Combination Plyer and Wire Cutter. |
| 1 Adze Eye Nail Hammer. | 1 6-inch Gas Pliers. |
| 1 Adze Eye Brad Hammer. | 1 Cutting Nippers. |
| 1 Riveting Hammer. | 1 Carpenters' Pincers. |
| 1 Lignumvitae Mallet. | 1 Tinnern's Snips or Shears. |
| 1 Claw Hatchet. | 1 Glue Pot. |
| 1 Hand Axe. | 4 Cabinet Clamps. |
| 1 Adze and Handle. | 1 Hand Vise. |
| 1 Rosewood Tool Holder with 10 Tools. | 1 Bench Vise. |
| 1 Mounted Oil Stone. | 1 Bench Screw. |
| 2 Oil Stone Slips. | 1 Bench Stop. |
| 1 Pair Wing Dividers (Cooke's Adjustable). | 3 Cold Chisels, ½, ¾ and 1 in. |
| 1 Pair 8 inch Wing Calipers. | 2 Belt Punches. |
| 2 Screw Drivers, 2 and 4 inch. | 3 Nail Sets. |
| 1 Ratchet Screw Driver Set with 4 Bits. | 2 Solid Steel Punches. |
| 1 Spiral Screw Driver. | 1 Glass Cutter. |
| 2 Boxwood Marking Gauges. | 2 Cabinet Scrapers. |
| | 1 Oiler. |
| | 6 Pencils. |

SET No. 28. NUMBER OF TOOLS 256.

PRICE, WITHOUT CHEST, \$137.00.

COMPLETE, WITH CHEST, \$153.00.

- | | |
|---|---|
| 1 Bailey Smooth Plane. | 1 26-inch Hand Saw. |
| 1 " Jack Plane. | 1 26-inch Rip Saw. |
| 1 " Fore Plane. | 1 20-inch Panel Saw. |
| 1 " Jointer Plane. | 1 10-inch Back Saw. |
| 1 " Block Plane. | 1 14-inch Back Saw. |
| 1 " Circular Plane. | 1 10-inch Keyhole Saw. |
| 1 Bailey Combination Plane, comprising: | 1 14-inch Compass Saw. |
| Plow and Dado with 9 Tools, | 1 Hack Saw Frame with 6 Blades. |
| Bead Plane with 7 Tools, | 1 Saw Set. |
| Matching Plane, Slitting Plane, | 12 Socket Firmer Chisel, ½ to 2 in. |
| Rabbet and Fillister. | 12 Socket Firmer Gouges, ½ to 2 in. |
| 1 Bailey Bull Nose Plane. | 8 Paring Chisels, ½ to 2 inch. |
| 3 Dado Planes, ½, ¾ and 1 inch. | 6 Paring Gouges, ¾ to 1½ inch. |
| 2 Quarter-Round Planes, ¾ and 1 inch. | 6 Socket Framing Chisels, ½ to 2 in. |
| 2 Ogee Planes, ¾ and 1 inch. | 1 Corner Chisel. |
| 7 Hollow Planes. | 24 Assorted Carving Chisels and Gouges. |
| 7 Round Planes. | 1 Plain Bit Brace. |

(See article on page 32.)

Set No. 28—Continued.

- | | |
|--|---|
| 1 Ratchet Bit Brace. | 2 Screw Drivers. |
| 1 Breast Drill. | 1 Ratchet Screw Driver Set with 4 Bits. |
| 13 Russell Jennings' Auger Bits, $\frac{1}{4}$ to 1 inch. | 1 Spiral Screw Driver. |
| 1 Large Expansive Bit, $\frac{1}{8}$ to 3 inch. | 1 Rosewood Tool Holder, 12 Tools. |
| 1 Bit Gauge. | 2 Boxwood Marking Gauges. |
| 6 Car Bits, $\frac{1}{8}$ to 1 inch. | 1 Rosewood Mortise Gauge. |
| 6 Morse Twist Drills, for metal or wood, $\frac{1}{16}$ to $\frac{1}{8}$ inch. | 1 Rosewood Panel Gauge. |
| 12 Gimlet Bits, $\frac{1}{16}$ to $\frac{1}{8}$ inch. | 1 Monkey Wrench. |
| 1 Assorted Nail Gimlets. | 1 Combination Nut & Pipe Wrench. |
| 5 Assorted Spike Gimlets. | 1 Boxwood Rule, Brass Bound. |
| 5 Automatic Drill with 8 Bits. | 1 Level and Plumb. |
| 1 Lightning Countersink. | 1 Pocket Level. |
| 1 Patent Countersink. | 1 75-ft. Tape Line in Case. |
| 1 Square Reamer. | 1 Brass Plumb Bob. |
| 17 Assorted Files, 4 to 12 inch. | 1 Chalk Line and Reel. |
| 1 Auger Bit File. | 1 Socket Scratch Awl. |
| 1 Steel Square. | 1 $3\frac{1}{4}$ -inch Flat Nose Pliers. |
| 1 Try Squares, 4 and 8 inch. | 1 5-inch Flat Nose Pliers. |
| 2 Patent T Bevels. | 1 5-inch Round Nose Pliers. |
| 2 Spoke Shaves. | 1 8-inch Combination Plyer and Wire Cutter. |
| 1 Spoke Shave (Double). | 1 6-inch Gas Pliers. |
| 1 Spoke Shave (Circular). | 1 Cutting Nippers. |
| 1 Draw Knife (Adjustable Handles). | 1 Carpenters' Pincers. |
| 1 Adze Eye Nail Hammer. | 1 Tinnners' Snips or Shears. |
| 1 Adze Eye Brad Hammer. | 1 Glue Pot. |
| 1 Riveting Hammer. | 4 Cabinet Clamps. |
| 1 Lignumvitae Mallet. | 1 Hand Vise. |
| 1 Claw Hatchet. | 1 Bench Vise. |
| 1 Hand Axe. | 1 Bench Screw. |
| 1 Adze and Handle. | 1 Bench Stop. |
| 1 Mounted Oil Stone. | 3 Cold Chisels. |
| 2 Oil Stone Slips. | 2 Belt Punches. |
| 2 Carving Tool Slips. | 3 Nail Sets. |
| 1 Pair Wing Dividers (Cooke's Adjustable). | 2 Solid Steel Punches. |
| 1 Pair Wing Dividers, Plain. | 1 Glass Cutter. |
| 1 Pair 8 inch Wing Calipers. | 2 Cabinet Scrapers. |
| 1 Set Trammel Points. | 1 Oiler. |
| | 6 Pencils. |

INFLATION.

We would call attention to the fact that in our lists giving the number of Tools, we have not inflated the quantities. Let us take as an example the medium size Set 15, page 11. We give the number of tools as 80. This number would be swelled to 122 if we called the No. 64 Tool Holder with 20 tools—21 tools, the

No. 79 Bracket Saw Frame with 12 Blades, 13 Tools, etc., etc.

We refer to this because it is quite common practice, and in our judgment, is misleading. While in a literal sense the No. 64 comprises 21 tools, it is recognized in the trade as being a tool in itself, and on this account we describe it as a single tool.

WORK BENCHES.

We present here a line of Work Benches suitable for carpenters, cabinet-makers, carvers, amateurs, etc. These Benches are all made in first-class style, glued-up hard maple tops, and maple legs. They are put together with joint bolts, and can be easily taken apart and crated for removal or shipment. The Benches,

Figs. 1810 and 1810a, are designed for use in manual training schools, and for gentlemen's and youths' home use. The width is 20 inches, with 13 inch glued-up maple top; length 4½ feet. The drawers and cupboard in Fig. 1810 are a superior substitute for the tool chest.

Price of Fig. 1810a, \$8.00; Fig 1810, \$12.00.

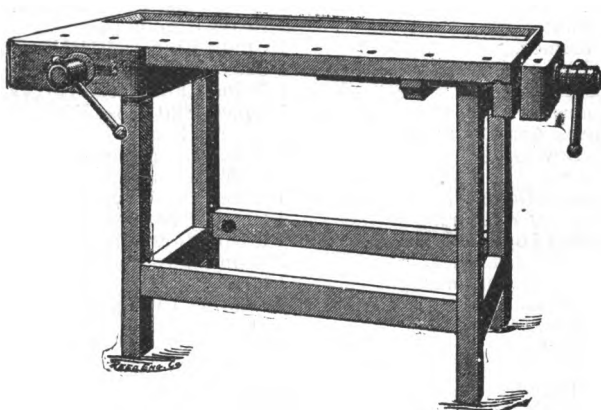


FIG. 1810a.

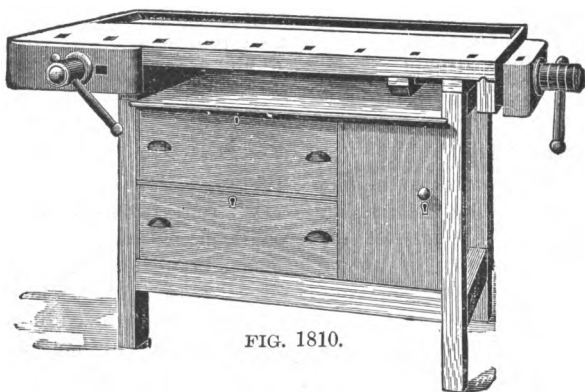


FIG. 1810.

Fig. 1807 is what is known as a Cabinet Maker's Bench. No. 1 is the size most commonly used.

No. 1, \$12.00; 25 inches wide, with 14 inch maple top, 6½ ft. long, 34 inches high.

No. 2, \$13.00; 6½ ft. long, by 30 inches wide, 16 inch maple top.

No. 3, \$14.00; same as No. 2, but 7 ft. long.

The Carvers' Bench (Fig. 1809) is quite similar to the Cabinet Makers'

(Fig. 1807), but is 5½ ft. long and has no side vise. Price \$11.00.

We also have the Cabinet Makers' Double Bench (not illustrated), designed for use in places where space is limited. It is also well adapted for special or large work. It is 7 ft. long, 37 inches wide, with 11 inch pine center in top. It is practically the same as two No. 3 benches placed back to back.

Price \$20.00.

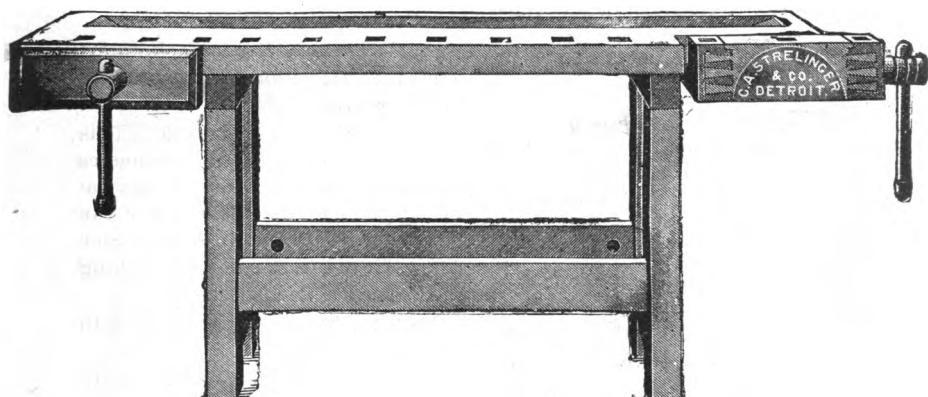


FIG. 1807.

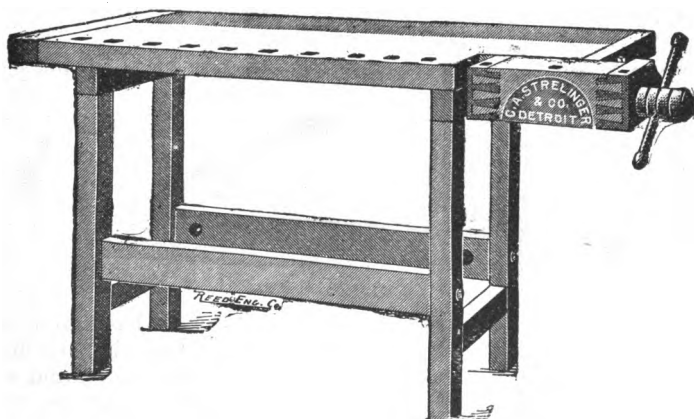


FIG. 1809.

POCKET KNIVES.

We carry in stock some two hundred varieties of Pocket Knives, and yet at least 50 per cent of our sales are of the patterns shown here. They are not "polished with diamond dust"; are not "file-tested"; are not made of "razor steel," nor will they "split a hair." They are, however, of the highest quality, are handsomely finished, are the same brands and styles that we have sold for twenty-five years, and if your dealers are not able to satisfy you, we would be pleased to sell you. The prices include postage.

Fig. 1730 is a light Pen-knife, suitable for either ladies' or gentlemen's use. Length, when closed, $2\frac{1}{2}$ inches; has three blades. Ivory or Stag handle, \$0.90; Tortoise Shell, \$1.15. Pearl, \$1.25.

Medium Pen-Knife, style of Fig. 1730; length, when closed, $3\frac{1}{2}$ inches. Ivory or Stag handle, \$1.10; Tortoise Shell, \$1.30; Pearl, \$1.45.

Fig. 1731, Medium Pen-knife; length, $3\frac{1}{2}$ inches. Ivory, Horn or Stag handle; two blades, \$0.70; three blades, \$0.95. Pearl, two blades, \$1.00; three blades, \$1.35.

Heavy Pen-knife, style of Fig.

1731; length, $3\frac{1}{2}$ inches. Ivory, Horn or Stag handle; two blades, \$0.95; three blades, \$1.20. Pearl, two blades, \$1.35; three blades, \$1.75.

Fig. 1732 is a heavy Pen-knife; length, $3\frac{1}{2}$ in. Ivory, Horn or Stag handle, \$1.00; Pearl, \$1.40.

Fig. 1733 is a heavy Pen-knife; length, $3\frac{1}{2}$ in. Ivory, Horn or Stag handle, \$1.00; Pearl, \$1.50.

Fig. 1734 is a heavy Jack-knife; length, $3\frac{1}{2}$ in. Ivory, Horn or Stag handle, \$0.85.

Fig. 1735 is a light Jack-knife; length, $3\frac{1}{2}$ in. Ivory, Horn or Stag handle, \$0.70.

Fig. 1736 is a Swedish knife. This is quite a favorite among mechanics generally, as the blade is permanently held in the handle, and can be removed, folded into its frame and replaced in the handle, making it safe for use and carriage

No. 0, \$1.50; length, $4\frac{1}{2}$ in.; length of blade, $4\frac{1}{2}$ inches.

No. 1, \$1.15; length, $3\frac{1}{2}$ in.; length of blade, $3\frac{1}{2}$ inches.

No. 2, \$1.00; length, $3\frac{1}{2}$ in.; length of blade, $2\frac{1}{2}$ inches.

No. 3, \$0.85; length, $2\frac{1}{2}$ in.; length of blade, $2\frac{1}{2}$ inches.



FIG. 1737.

Fig. 1737 represents an Electrician's knife. This is an uncommonly useful tool for those who do electrical work. It has one regular knife blade, and another especially for scraping

wire. This blade has also a sharp edge for cutting the covering of wire, and forms a substantial screw driver. Length of handle, $3\frac{1}{2}$ in.; length of blade, $2\frac{1}{2}$ in. Price, \$0.85.



FIG.
1730.

FIG.
1731.

FIG.
1732.

FIG.
1733.

FIG.
1734.

FIG.
1735.

FIG.
1736.

A FEW WORDS ABOUT RAZORS.

There is so much silly twaddle printed and said by makers of—and dealers in—Razors, and by barbers (who ought to know the most, and really, as a rule, know the least) about Razors and shaving, that we are impelled to present a few points gathered in an experience of a quarter of a century in their sale and use.

To the youth just entering manhood, shaving may be a pleasure; before many years, however, it is more or less a burden, and in many cases it becomes a dreaded duty.

Occasionally we hear a man bragging about the quality of a Razor, which he or some one else has bought at an auction sale for perhaps forty or fifty cents. There is really

nothing surprising about this, as there is no difference in quality of steel between a 50-cent and a \$1.00 razor. However, we wouldn't care to take chances of getting a good razor in this way.

For average beards and faces, and by average we mean at least sixty out of every hundred, the Razors made by Wade & Butcher, Jos. Rodgers & Sons, Geo. Wostenholm, and others of the better class of makers, are well suited. These Razors can be obtained from almost any dealer in hardware and cutlery, at prices ranging from \$0.75 to \$1.00.

We will mail to any address a Razor of this class upon receipt of \$0.75 and 10 cents extra to cover cost of postage.

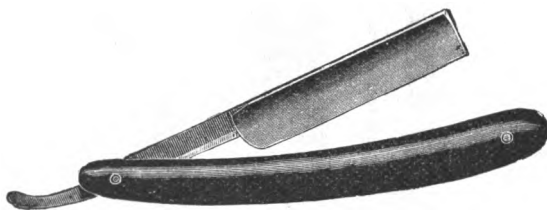


FIG. 1738. FULL CONCAVE RAZOR.

FULL CONCAVE RAZOR.

This style of Razor (Fig 1738) is sold to barbers and the better class of users. As regards quality of steel and temper, they are no better than any of the high grade plain Razors, but Full Concave Razors are more desirable for the reason that they are much easier to sharpen and keep in order. The Full Concave Razors we sell are, we believe, as good as can be produced. They are finely ground and nicely finished, and superior in all respects. We have them in four widths, $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$ and $\frac{7}{8}$ inch. Price, each, \$1.50; by mail, 10 cents extra.

THE LE COULTRE RAZOR.

The writer has in past years, used upwards of thirty different razors, including all the best known English, German, French, and Swedish makes, and never knew what real comfort in shaving was until he began using the LeCoultre Razor (Fig. 1739).

Our attention was first directed to these Razors by a customer who had just returned from abroad, and who had bought a pair of them in Paris. He was so enthusiastic about them, that we ordered a few as samples and since then we have sold a good many—as Sterling Elliott says,—“Good many is ambiguous, but it saves lying.”

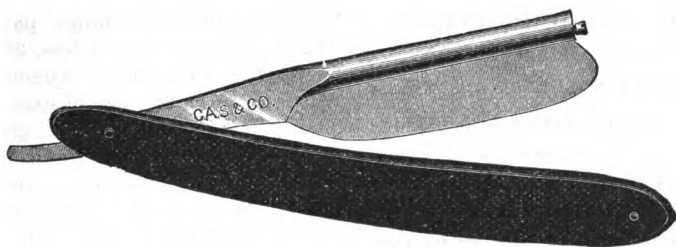


FIG. 1739. LE COULTRE (SWISS) RAZOR.

As a single instance of the popularity of these razors when once used: About three years ago we sold one of these razors to Mr. A. H. Munger, of the wholesale drygoods firm of Burnham, Hanna, Munger & Co., of Kansas City, Mo. In a few weeks Mr. Munger ordered four more, and up to the present time this first order has resulted in the sale of over three hundred of these razors.

The LeCoultre Razor is in shape quite similar to the ordinary razor, is nicely finished, but not especially handsome in appearance. The blades are removable, and are made of the finest steel, exquisitely tempered.

We can furnish them with any number of blades, but the bulk of our sales consist of the razors with two blades, these being equal to two separate razors, as it takes but an instant to change.

Price of LeCoultre Razor, \$2.00; with 2 blades, \$3.00. Add for each extra blade, \$1.00. Postage, if sent by mail, 10 cents extra.

STAR SAFETY RAZOR.

There are a number of different styles and makes of Safety razors, but in our judgment, the "Star" is the best. There have been vast numbers of these sold, running perhaps up into the hundred thousands. We have sold many of them, and have customers who prefer them to any other. We are inclined to believe that, while they prove entirely satisfactory in the majority of cases, there will be found a large number

who cannot use them. We sell these Razors at \$1.50 each, post-paid. Can furnish them in different styles of sets, containing 2, 3, 4, 5, and 7 blades, and will send circular on application.

RAZOR STROPS.

We carry in stock four styles of Strops, each one being the very best of its class. The genuine Emerson, flat on one side and half-oval on the other, price \$0.75; the Repenhagen, swing strop, composed of leather and canvas, price \$1.50; the Goldschmitt, of Russia leather—this strop has two sides, and is tightened or loosened by a tension rod—price \$2.00; the Saunders, four-side strop—this is our favorite, and the one we sell most of—price \$1.25.

Any of the above can be sent by mail for 12 cents postage.

SHAVING SOAP.

For a good, every-day Shaving Soap, we know of nothing better than Williams' "Yankee." This may be bought almost any where for 10 or 15 cents a cake.

For luxury and comfort as well, the Pinaud (Paris) Shaving Cream is simply elegant. This Shaving Cream comes in china pots, holding enough to last an ordinary shaver from twelve to eighteen months. Price, \$0.75 post-paid.

RAZOR HONES.

We carry the best quality Belgian Razor Hones, from 6 to 8 inches in length. Price, \$1.00 to \$2.00, according to size.

AS TO THE COMPARATIVE QUALITY OF TOOLS IN SETS NOS. 22 TO 28.

As this is a question of considerable interest to prospective purchasers, we would like, in as few words as possible, to explain the reasons for the difference in the prices of the various assortments, it being understood, of course, that the chief reason lies in the quantity or number of tools.

First, let us explain that the principal tools in all these various sets are the best that can be furnished, and are of equal quality in all the sets. For example, the Planes, Chisels, Gouges, Hatchets, Draw Knives, and all Edge tools are the same in all the sets, also Saws, Oil Stones, Hammers, Files, etc., etc.

There are, however, differences in style, finish and other points, many mechanics having their own ideas and preferences. Let us give examples of this, taking a few of the leading tools.

CHISELS—The Chisels furnished in sets Nos. 22 to 24 are the regular style, highly finished, ground sharp, and have applewood or hickory handles. Those furnished in Sets Nos. 25 and 26 are the same, but have beveled edges or backs. Some mechanics prefer them in this way on account of their being lighter and tidier. Those furnished in Sets Nos. 27 and 28 are the same, but have improved leather tipped handles.

BORING BITS—In Sets Nos. 22 to 24, we furnish the Snell's double lip Auger Bits. In Sets Nos. 25 and 26,

the extension lip Jennings' pattern Auger Bits, and in Sets Nos. 27 and 28, the Russell Jennings' Auger Bit. All of these classes are of excellent quality, but the Russell Jennings' bit is the best, because it bores quicker and makes a cleaner hole. In Sets Nos. 22 to 24, for the larger sizes, we furnish Center Bits. In Sets Nos. 25 to 28 the Clark Expansive Bit. The Clark bit may be adjusted to cut any size hole from $\frac{1}{4}$ to 3 inch, and is, of course, better than the center bits, but considerably higher in price.

STEEL SQUARES.—The 2 ft. Steel Squares furnished in Sets Nos. 22 to 24 are divided in eighths and quarters of inches, and has board and brace measure. The Squares furnished in Sets Nos. 25 and 26 are the same in size, but a little heavier, and are divided in sixteenths, twelfths and quarters of inches. The Squares furnished in Sets Nos. 27 and 28 are divided in sixteenths, twelfths, and eighths of inches, B. & B. measure, 8-square and 100ths.

DRAW KNIVES—The Draw Knives furnished in Sets Nos. 22 to 24 are the razor blade pattern; those furnished in Sets Nos. 25 to 28 are the same, but have handles that can be adjusted to any angle.

GAUGES.—In Sets Nos. 22 to 25 the Gauges are of beech wood. In Sets Nos. 26 to 28, of boxwood and rosewood.

The above few examples will, we hope, serve to explain the differences referred to at the beginning of this article, as lack of space forbids our going into further details.

MEDICINE CABINETS.

The following item is taken from our local paper:

"The two-year-old son of Edward M. Henderson, No. 651 St. Aubin avenue, got hold of a bottle of pills Thursday afternoon and swallowed them, dying about an hour afterward. Coroner Brown has ordered a post-mortem."

It is almost cruel to even allude to the feelings of parents in cases of this kind, but is it not criminal carelessness to permit medicines and drugs to lie about the house indiscriminately?

Casualties like the above are all too common. We have seen an article on this subject, in which the writer estimates that in this country there are upwards of three thousand children's lives lost annually in this manner.

How are the family remedies, medicines and chemicals usually placed? How in your house? Are they not located somewhat on this plan—subject to variations of course:

Bath Room—On shelf, Pond's Extract, Ammonia, Bi-carb. Soda, Liver Pills, etc., etc.

Dining Room—In sideboard or closet, Jamaica Ginger, Brandy, Cod Liver Oil, etc., etc.

Mother's Room—In dressing case top drawer (perhaps), Court Plaster, Bandages and Cotton. On top of chiffonier, in box or basket, a whole lot of all sorts of remedies; in chiffonier drawer, either top, next to top, next to bottom—or perhaps in all six—more remedies

Boy's Room—On high shelf, Arnica, Carbolic Acid, Toothache Drops, Castoria, etc., etc.

There is no more useful article of furniture in a house than the Medicine Cabinet, not only on account of avoiding fatalities, but as affording a means of getting these things quickly when wanted. In case of accidents and sudden sickness, particularly at night, it is a help—and comfort as well—to be able to procure remedies promptly.

In going over a house recently built, we noticed in the bath-room a cupboard designed for holding medicines, etc. It was about 24 inches wide, 18 inches high and 5 inches deep, and was built right in the wall or partition so that it really took up no space that was available for any other purpose. Don't know who was responsible, the architect or owner, but it struck us that it was one of the most practical, common sense ideas we had ever seen. If you expect to build it will be well to bear it in mind.

PRICES AND DIMENSIONS.

No. 1—Size, 14 in. wide, 22½ in. high, 6 in. deep. Plain Oak, \$2.50; Quarter Sawed Oak, \$3.00; Solid Mahogany, \$5.00.

No. 2—Size, 15½ in. wide, 26 in. high, 7 in. deep. Plain Oak, \$4.50; Quarter-Sawed Oak, \$5.50; Solid Mahogany, \$7.50.

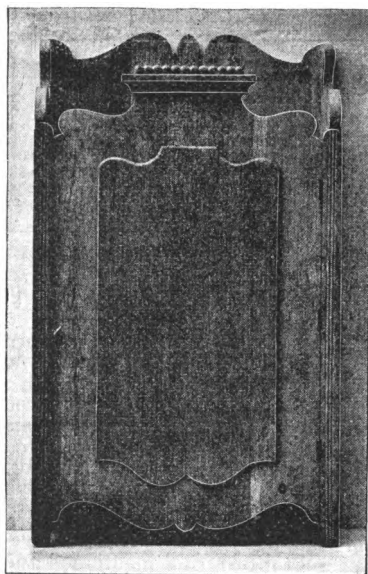
No. 3—Size, 17 in. wide, 30½ in. high, 9½ in. deep. Plain Oak, \$8.00; Quarter-Sawed Oak, \$9.50; Solid Mahogany, \$12.00.

All Quarter-Sawed Oak and Solid Mahogany are the very finest French finish and are beauties.

Illustrated on following page.



NO. 1 MEDICINE CABINET.



NO. 2 MEDICINE CABINET.



NO 3 MEDICINE CABINET.

CHRISTMAS PRESENTS.

The following article is from the pen of that brilliant writer, Edward Bok, and is part of an editorial written by him in the "Ladies' Home Journal" two or three years since:

* * * * *

"At each return of the Christmas season hundreds of us, men and women alike, are walking interrogation points. Daily, yes hourly, the question comes up: "What presents shall I give for Christmas?" and a week before Christmas Day finds many as far from a solution of the problem as when it first presented itself. And when the object of a Christmas remembrance belongs to the masculine tribe, the problem is apt to take on a hue of inky blackness in the mind of a woman, and she asks herself, "Now, if he was only a woman, I would know what to give, but what does a man want?"

* * * * *

"A man is an exceedingly peculiar being in many respects. If he is anything he is practical, and this is particularly true of him in the matter of presents. The first thing that

occurs to a man's mind when he receives a present is, "How can I use it?" The purely ornamental has with him, as a rule, only a passing interest. He likes to see pretty things in his home, but he would far rather give them than receive them. He is prosaic. The gift which means most to him is that which will in some way add to his comfort. He wants to use his presents. "What good is a thing unless you can use it?" is his argument, and into practical service he immediately seeks to put a practical present, while the pretty knick-knack is looked at once, admired, and put away. Not that he is inappreciative if the gift comes to him in the shape of a dainty knick-knack, but he will enjoy a practical and useful present far more. The wise woman is she who, in selecting a present, thinks of the practical man rather than of the other sort."

* * * * *

At the time of writing this article, Mr. Bok knew nothing of our Tool Chests and Tools. If he had, he might have suggested to his many readers an excellent solution of the problem.

AS TO AGE.

We are often asked what age a boy should attain before he be allowed to use a Set of Tools. In response to this we would say, that it depends very largely upon the boy's disposition and characteristics. We have known boys seven years of age who have handled tools to quite good advantage, and other boys of ten who could not. The writer has in use a table, about 28 inches square, made by a boy ten years old, and it

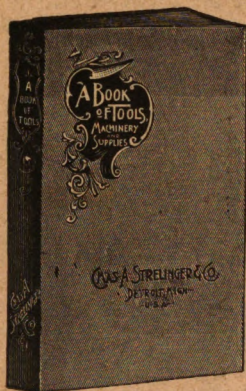
is as nice and well made a job as could be done by any carpenter. The materials cost about 60 cents, and the table could not be duplicated in a furniture store for less than \$2.25.

There isn't a tool in any of the Sets from Nos. 2 to 7 that cannot be used by a boy of six or seven years of age, or by a grown person of seventy or eighty years.

In the Sets Nos. 12 to 18 some of the tools are a little larger, and we would not recommend them for boys under eight years of age.



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